

Ref: 02425-05001-32002

August 12, 2005

Mr. Kevin Destruel
Mead Clark Lumber Company
P.O. Box 529
Santa Rosa, CA 95402

Re: Quarterly Groundwater Monitoring Report – Second Quarter 2005 Including Ozone Sparging Baseline Sampling, Former Mead Clark Lumber Company, Third and Railroad Streets, Santa Rosa, California, NCRWQCB Case No. 1TSR016

Dear Mr. Destruel:

This report presents the results of Winzler & Kelly Consulting Engineers' (Winzler & Kelly's) second quarter 2005 groundwater monitoring and sampling activities performed on May 10, 2005, at the Former Mead Clark Lumber Company located at Third and Railroad Streets, Santa Rosa, California (Figures 1 and 2). In addition, this report presents the baseline and initial groundwater sampling prior to the sparging of ozone as required by the January 18, 2005 letter (Appendix A) from the North Coast Regional Water Quality Control Board (NCRWQCB).

GROUNDWATER MONITORING AND SAMPLING ACTIVITIES

The Site-Specific Sampling Procedures, provided in Appendix B, describe in detail all of the monitoring and sampling activities that were performed at the site on May 10, 2005. A brief summary of these activities is also provided below.

FIELD ACTIVITIES

Personnel Present: On May 10, 2005, Blaine Tech Services (contracted by Winzler & Kelly) measured groundwater levels and purged the groundwater monitoring wells to be sampled. Winzler & Kelly personnel collected the groundwater samples.

Depth-to-Groundwater: An electronic water level meter was used to measure the depth-to-groundwater in each monitoring well after allowing the groundwater in each well to equilibrate to atmospheric pressure for a minimum of 20 minutes.

Dissolved Oxygen: Following depth-to-groundwater measurements, a calibrated dissolved oxygen (DO) meter was used to measure the concentrations of DO in all the monitoring and extraction wells sampled.

Purging: Prior to sampling, each monitoring well was purged a minimum of three well casing volumes or until the wells dewatered.

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Groundwater Sampling:

All the monitoring and extraction wells on site were sampled as part of baseline and initial groundwater sampling prior to the sparging of ozone. New disposable bailers were used to collect and transfer all groundwater samples from monitoring wells into the appropriate laboratory-supplied, certified clean sample containers.

Chemical Analysis:

Analytical Sciences Laboratory (Analytical Sciences) of Petaluma, California (a California-certified laboratory) analyzed the groundwater samples collected from each monitoring and extraction well for total petroleum hydrocarbons as gasoline (TPH-G), as diesel (TPH-D), and as motor oil (TPH-MO) by EPA Method 8015M with silica gel cleanup, and for volatile hydrocarbons by EPA Method 8260B (full list).

As required for ozone sparging baseline sampling, groundwater samples collected from monitoring wells GW-1, GW-2, and dual-phase extraction (DPE) wells DPE-1, DPE-2, DPE-3, DPE-5, DPE-7, DPE-8, and DPE-9 were analyzed for hexavalent chromium (Cr^{+6}) by EPA Method 7196A, for bromate (BrO_3^{-1}) and bromide (Br^{-1}) by EPA Method 300 (IC), and for molybdenum (Mo), selenium (Se), and vanadium (V) by EPA Method 6010/200.9.

SECOND QUARTER 2005 AND BASELINE GROUNDWATER MONITORING AND SAMPLING RESULTS

The groundwater elevation and flow direction data are presented in Tables 1 and 2. A groundwater contour map, provided as Figure 3, illustrates the groundwater elevation contours and flow direction at the site. As Figure 3 shows, the groundwater flow direction at the site was toward the southwest, at an approximate gradient of 0.02 ft/ft.

Prior to purging, DO concentrations were measured in each well. Concentrations were relatively low, ranging from 0.2 to 1.8 mg/L. DO concentration results are summarized on Table 3.

During purging activities, the parameters of pH, conductivity, temperature, turbidity, and oxidation-reduction potential (ORP) were monitored in the groundwater extracted from the wells. A summary of these indicator parameters is provided in Table 3. In addition to monitoring the indicator parameters, an oil/water interface meter was used to measure well DPE-9 for the presence of free product. Free product was not detected in well DPE-9.

Consistent with previous monitoring, the highest concentrations of constituents of concern (COCs) were detected in the groundwater samples collected from monitoring wells located in the southwest portion of the site. The groundwater samples collected from monitoring wells located upgradient of this area continue to be free of COCs. A comprehensive summary of the analytical results of groundwater sampling is provided in Table 4. Figure 4 depicts the concentrations of TPH-G, benzene, and methyl tert-butyl ether (MTBE) that were detected in the groundwater samples collected on May 10, 2005.

Groundwater samples collected from monitoring wells GW-1, GW-2, and DPE wells DPE-1, DPE-2, DPE-3, DPE-5, DPE-7, DPE-8, and DPE-9 were analyzed for baseline parameters Cr^{+6} , BrO_3^{-1} , Br^{-1} ,

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Mo, Se, and V. As requested, Cr⁺⁶ and BrO₃⁻¹ laboratory reporting limits were no higher than 5 and 10 µg/L, respectively. Analytical results did not quantify any of the above-mentioned constituents above the laboratory's reportable detection limits (RDLs). Table 5 summarizes the analytical results.

The laboratory QA/QC included the use of method blanks to exclude false-positive analyses and the use of laboratory control samples to evaluate the percentage recovery of known analyte spikes. The recovery percentages for all of the sample analytes were within the laboratory's acceptance ranges. The complete laboratory report, QA/QC data, and the chain-of-custody form are included in Appendix C.

GEOTRACKER DATA ENTRY

As required by Assembly Bill AB2886, Winzler & Kelly has submitted the second quarter 2004 and 2005 analytical data and the May 10, 2005 groundwater well measurement file to the GeoTracker database. Upload verification forms are provided in Appendix D. Winzler & Kelly will submit this report upon completion.

STATUS OF REMEDIAL MEASURES

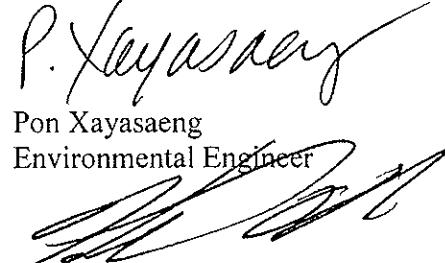
From April 25 through April 28, 2005, twelve nested ozone/hydrogen peroxide sparge points and components were installed. During the months of May and June 2005, the ozone/hydrogen peroxide system and all the system components were installed at the site. The ozone/hydrogen peroxide system was started and checked for leaks. Any encountered leaks were repaired and rechecked. On June 3, 2005, the ozone/hydrogen peroxide system was turned on and is currently in operation. A Remedial System Installation and Start-Up Report will follow this quarterly monitoring report.

UPCOMING SITE ACTIVITIES

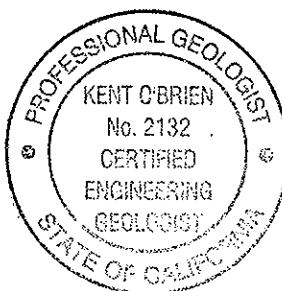
Winzler & Kelly will continue to perform quarterly groundwater monitoring and sampling activities at the site. The next groundwater sampling event is scheduled for August 2005.

If you have any questions or comments regarding this project, please contact David J. Vossler, Project Manager, at (707) 523-1010.

Sincerely,
WINZLER & KELLY


Pon Xayasaeng
Environmental Engineer

Kent O'Brien, PG, CEG
Senior Project Geologist



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Attachments

Figures:

- Figure 1 – Location Map
- Figure 2 – Former Extent of Excavation
- Figure 3 – Groundwater Contour Map Upper A Aquifer
- Figure 4 – Petroleum Hydrocarbon Concentrations in Groundwater

Tables:

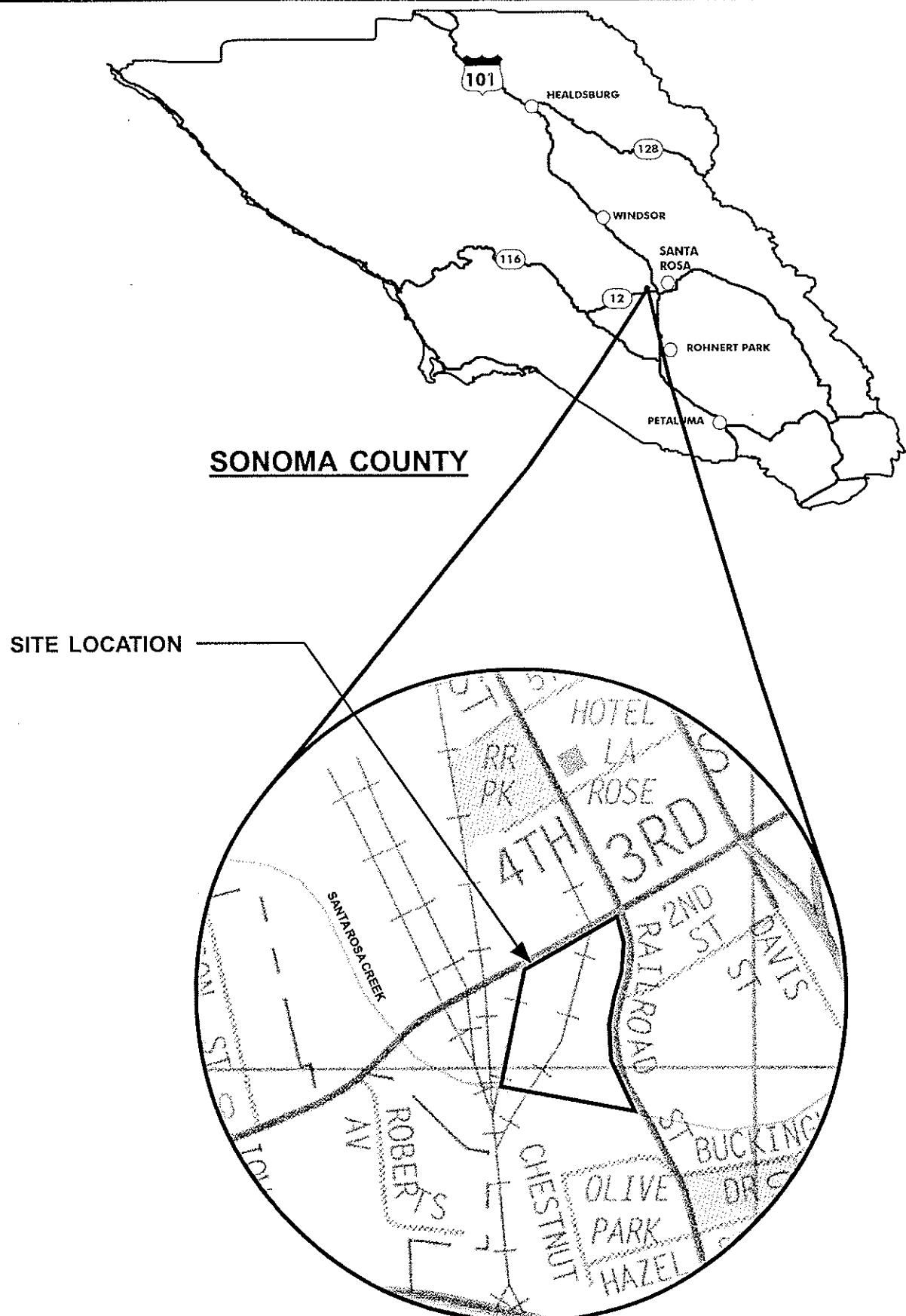
- Table 1 – Water Level Data and Well Construction Details
- Table 2 – Groundwater Gradient and Flow Direction
- Table 3 – D.O., Nitrate, and Indicator Parameters
- Table 4 – Groundwater Sample Analyses Results
- Table 5 – Additional Groundwater Analytical Results

Appendices:

- Appendix A – Agency Correspondence
- Appendix B – Site-Specific Field Procedures
- Appendix C – Analytical Laboratory Report
- Appendix D – GeoTracker Upload Verifications

- c: Ms. Joan Fleck, North Coast Regional Water Quality Control Board, 5550 Skylane Blvd, Suite A, Santa Rosa, CA 95403
- Mr. Paul Fitzpatrick, Law Offices of Clement, Fitzpatrick & Kenworthy, 3333 Mendocino Avenue, Santa Rosa, CA 95401

Figures



LOCATION MAP
FORMER MEAD CLARK LUMBER COMPANY
THIRD & RAILROAD STREETS
SANTA ROSA, CA

FIGURE 1

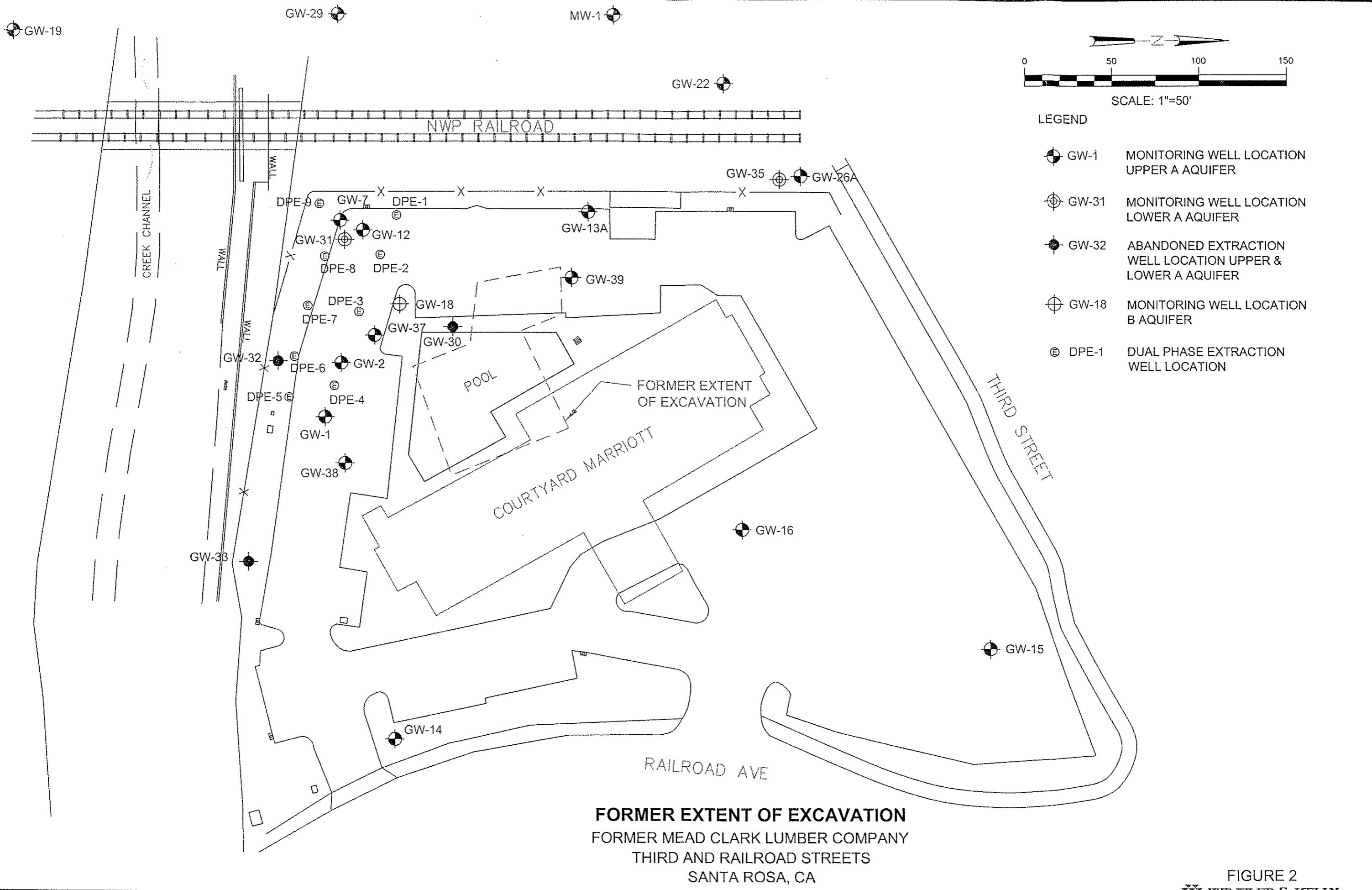


FIGURE 2

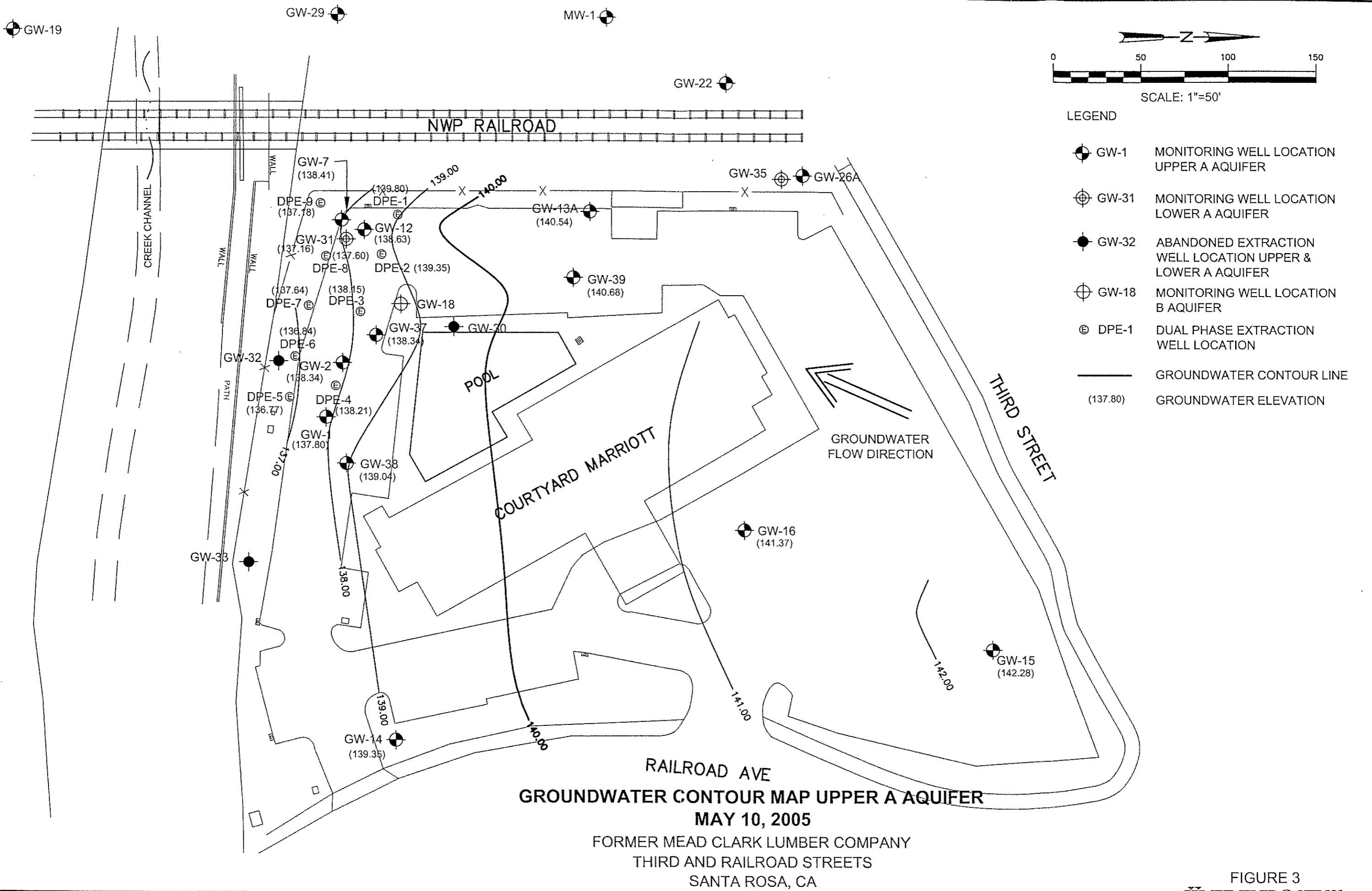
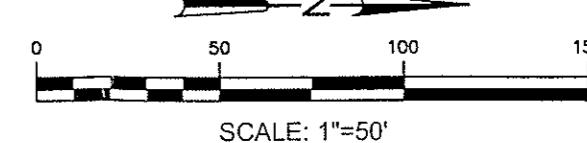
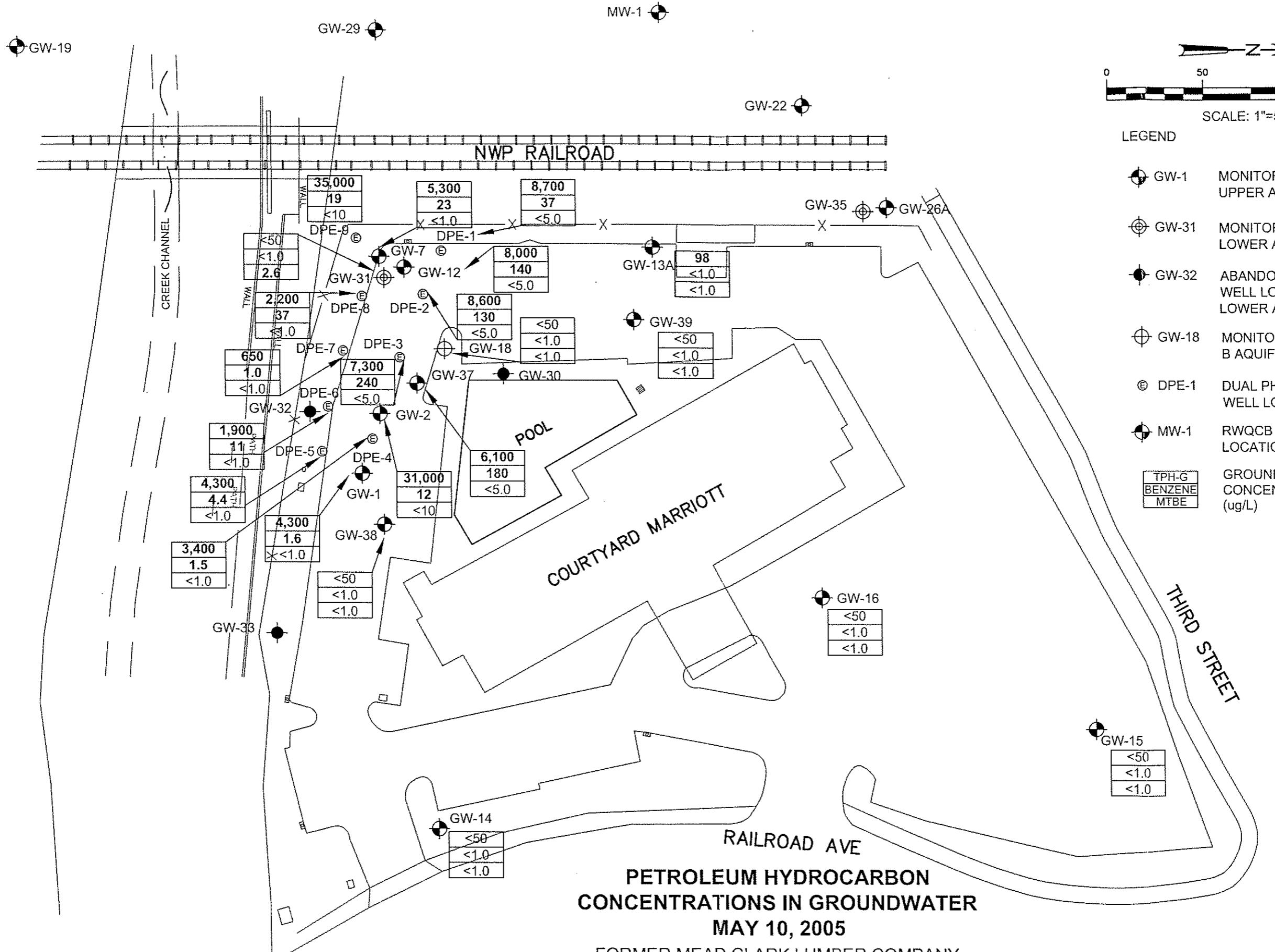


FIGURE 3



LEGEND

- GW-1 MONITORING WELL LOCATION UPPER A AQUIFER
- GW-31 MONITORING WELL LOCATION LOWER A AQUIFER
- GW-32 ABANDONED EXTRACTION WELL LOCATION UPPER & LOWER A AQUIFER
- GW-18 MONITORING WELL LOCATION B AQUIFER
- ◎ DPE-1 DUAL PHASE EXTRACTION WELL LOCATION
- MW-1 RWQCB MONITORING WELL LOCATION
- [TPH-G BENZENE MTBE] GROUNDWATER CONCENTRATIONS (ug/L)

FIGURE 4

Tables

Table 1. Water Level Data and Well Construction Details

Former Mead Clark Lumber Company

Third and Railroad Streets

Santa Rosa, California

Well ID	Date	Groundwater Elevation	Depth-to-Water	Top of Casing Elevation (Mean Sea Level)	Free Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
								feet
GW-1 Upper-A	7/25/2001	133.62	20.67	154.29	NM	11.75-31.75	9.75-32.0	0.0-9.75
	10/29/2001	132.99	21.30		NM			
	1/30/2002	137.58	16.71		NM			
	4/29/2002	135.67	18.62		Sheen ¹			
	7/30/2002	134.50	19.79		0.01			
	10/28/2002	135.73	18.56		ND			
	1/28/2003	137.85	16.44		Sheen ¹			
	4/29/2003	137.30	16.99		Sheen			
	8/7/2003	135.44	18.85		Droplets ¹			
	11/3/2003	134.08	20.21		Droplets ¹			
	1/27/2004	136.90	17.39		Droplets ¹			
	5/28/2004	136.19	18.10		Sheen ¹			
	5/10/2005	137.80	16.49		NM			
GW-2 Upper-A	7/25/2001	135.10	19.24	154.34	NM	11.75-31.75	9.75-32.0	0.0-9.75
	10/29/2001	134.21	20.13		NM			
	1/30/2002	138.52	15.82		NM			
	4/29/2002	137.11	17.23		Sheen ¹			
	7/30/2002	135.88	18.46		0.01			
	10/28/2002	137.13	17.21		Sheen			
	1/28/2003	138.63	15.71		Sheen ¹			
	4/29/2003	137.93	16.41		Sheen			
	8/7/2003	136.92	17.42		Droplets ¹			
	11/3/2003	135.04	19.30		Droplets ¹			
	1/27/2004	137.89	16.45		Droplets ¹			
	5/28/2004	137.04	17.30		Sheen ¹			
	5/10/2005	138.34	16.00		Sheen ¹			
GW-7 Upper-A	7/25/2001	NA	NA	153.65	NM	9.5-31.5	7.5-32.0	0.0-7.5
	10/29/2001	132.27	21.16		0.28			
	1/30/2002	137.83	15.82		Sheen ²			
	4/29/2002	135.18	18.47		Sheen ²			
	7/30/2002	133.63	20.02		Sheen ²			
	10/28/2002	134.98	18.67		Sheen ²			
	1/28/2003	138.22	15.43		Sheen ^{1,2}			
	4/29/2003	137.13	16.52		Sheen			
	8/7/2003	134.70	18.95		ND			
	11/3/2003	133.51	20.14		ND			
	1/27/2004	137.18	16.47		ND			
	5/28/2004	134.90	18.75		ND			
	5/10/2005	138.41	15.24		NM			
GW-12 Upper-A	7/25/2001	133.46	18.47	151.93	0.01	8.0-38.0	4.0-38.0	0.0-4.0
	10/29/2001	132.77	19.16		0.01			
	1/30/2002	138.21	13.72		Sheen ²			
	4/29/2002	135.47	16.46		Sheen ²			
	7/30/2002	133.74	18.19		Sheen ²			
	10/28/2002	135.08	16.85		Sheen ²			
	1/28/2003	138.52	13.41		Sheen ^{1,2}			
	4/29/2003	137.40	14.53		Sheen			
	8/7/2003	134.82	17.11		ND			
	11/3/2003	133.43	18.50		ND			
	1/27/2004	137.37	14.56		ND			
	5/28/2004	135.15	16.78		ND			
	5/10/2005	138.63	13.30		NM			

Table 1. Water Level Data and Well Construction Details

Former Mead Clark Lumber Company

Third and Railroad Streets

Santa Rosa, California

Well ID	Date	Groundwater Elevation	Depth-to-Water	Top of Casing Elevation (Mean Sea Level)	Free Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
								feet
GW-13A Upper-A	7/25/2001	137.47	16.30	153.77	NM	6.8-21.8	5.0-23.1	0.0-5.0
	10/29/2001	136.88	16.89		NM			
	1/30/2002	140.17	13.60		NM			
	4/29/2002	138.84	14.93		NM			
	7/30/2002	137.57	16.20		NM			
	10/28/2002	138.36	15.41		NM			
	1/28/2003	140.31	13.46		NM			
	4/29/2003	139.93	13.84		NM			
	8/7/2003	138.23	15.54		NM			
	11/3/2003	136.67	17.10		NM			
	1/27/2004	140.04	13.73		NM			
	5/28/2004	138.61	15.16		NM			
	5/10/2005	140.54	13.23		NM			
GW-14 Upper-A	7/25/2001	134.55	20.42	154.97	NM	9.4-35.4	8-29.0	0.0-8.0
	10/29/2001	134.02	20.95		NM			
	1/30/2002	138.97	16.00		NM			
	4/29/2002	136.72	18.25		NM			
	7/30/2002	135.62	19.35		NM			
	10/28/2002	136.67	18.30		NM			
	1/28/2003	139.42	15.55		NM			
	4/29/2003	138.23	16.74		NM			
	8/7/2003	136.62	18.35		NM			
	11/3/2003	134.88	20.09		NM			
	1/27/2004	137.81	17.16		NM			
	5/28/2004	137.03	17.94		NM			
	5/10/2005	139.35	15.62		NM			
GW-15 Upper-A	7/25/2001	139.99	13.43	153.42	NM	8.3-31.3	7.0-32.5	0.0-7.0
	10/29/2001	139.22	14.20		NM			
	1/30/2002	142.74	10.68		NM			
	4/29/2002	140.95	12.47		NM			
	7/30/2002	140.04	13.38		NM			
	10/28/2002	140.39	13.03		NM			
	1/28/2003	143.04	10.38		NM			
	4/29/2003	141.61	11.81		NM			
	8/7/2003	140.48	12.94		NM			
	11/3/2003	139.12	14.30		NM			
	1/27/2004	142.32	11.10		NM			
	5/28/2004	140.73	12.69		NM			
	5/10/2005	142.28	11.14		NM			
GW-16 Upper-A	7/25/2001	138.14	16.71	154.85	NM	7.3-25.3	6.5-27.5	0.0-6.5
	10/29/2001	137.44	17.41		NM			
	1/30/2002	141.55	13.30		NM			
	4/29/2002	139.31	15.54		NM			
	7/30/2002	138.22	16.63		NM			
	10/28/2002	138.95	15.90		NM			
	1/28/2003	141.82	13.03		NM			
	4/29/2003	140.40	14.45		NM			
	8/7/2003	138.75	16.10		NM			
	11/3/2003	137.24	17.61		NM			
	1/27/2004	141.06	13.79		NM			
	5/28/2004	139.30	15.55		NM			
	5/10/2005	141.37	13.48		NM			

Table 1. Water Level Data and Well Construction Details

Former Mead Clark Lumber Company

Third and Railroad Streets

Santa Rosa, California

Well ID	Date	Groundwater Elevation	Depth-to-Water	Top of Casing Elevation (Mean Sea Level)	Free Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
								feet
GW-18 B-Aquifer	7/25/2001	132.58	22.69	155.27	NM	69.0-86.0	67.0-89.0	0.0-67.0
	10/29/2001	131.40	23.87		NM			
	1/30/2002	138.10	17.17		NM			
	4/29/2002	135.73	19.54		NM			
	7/30/2002	132.92	22.35		NM			
	10/28/2002	131.58	23.69		NM			
	1/28/2003	138.84	16.43		NM			
	4/29/2003	137.41	17.86		NM			
	8/7/2003	133.73	21.54		NM			
	11/3/2003	132.20	23.07		NM			
	1/27/2004	137.67	17.60		NM			
	5/28/2004	134.67	20.60		NM			
	5/10/2005	137.96	17.31		NM			
GW-19 Upper-A	7/25/2001	130.78	21.97	152.75	NM	7.5-32.5	6.5-33.5	0.0-6.5
	10/29/2001	NM	NM		NM			
	1/30/2002	NM	NM		NM			
	4/29/2002	132.45	20.30		NM			
	7/30/2002 - 5/28/2004	NM	NM		NM			
GW-26A Upper-A	7/25/2001	NA	NA	154.27	NM	10.0-30.0	9.0-31.0	0.0-9.0
	10/29/2001	136.70	17.57		NM			
	1/30/2002 - 5/28/2004	NM	NM		NM			
GW-31 Lower-A	7/25/2001	132.79	21.00	153.79	NM	44.0-52.0	43.0-52.0	0.0-43.0
	10/29/2001	132.13	21.66		ND			
	1/30/2002	137.09	16.70		NM			
	4/29/2002	135.32	18.47		NM			
	7/30/2002	133.50	20.29		NM			
	10/28/2002	132.78	21.01		NM			
	1/28/2003	137.81	15.98		NM			
	4/29/2003	136.47	17.32		NM			
	8/7/2003	134.08	19.71		ND			
	11/3/2003	133.11	20.68		NM			
	1/27/2004	136.61	17.18		NM			
	5/28/2004	134.71	19.08		NM			
	5/10/2005	137.16	16.63		NM			
GW-37 Upper-A	7/25/2001	134.71	20.08	154.79	NM	8.5-33.5	9.5-36.5	0.0-9.5
	10/29/2001	134.05	20.74		ND			
	1/30/2002	138.50	16.29		NM			
	4/29/2002	136.50	18.29		NM			
	7/30/2002	135.14	19.65		NM			
	10/28/2002	136.61	18.18		ND			
	1/28/2003	138.70	16.09		ND			
	4/29/2003	137.86	16.93		NM			
	8/7/2003	136.64	18.15		ND			
	11/3/2003	134.92	19.87		NM			
	1/27/2004	137.98	16.81		NM			
	5/28/2004	136.48	18.31		NM			
	5/10/2005	138.34	16.45		NM			

Table 1. Water Level Data and Well Construction Details

Former Mead Clark Lumber Company
 Third and Railroad Streets
 Santa Rosa, California

Well ID	Date	Groundwater Elevation	Depth-to-Water	Top of Casing Elevation (Mean Sea Level)	Free Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
								feet
GW-38 Upper-A	7/25/2001	135.17	19.87	155.04	NM	8.0-37.0	9.0-39.5	0.0-9.0
	10/29/2001	134.45	20.59		NM			
	1/30/2002	138.89	16.15		NM			
	4/29/2002	137.13	17.91		NM			
	7/30/2002	135.89	19.15		NM			
	10/28/2002	137.04	18.00		NM			
	1/28/2003	139.29	15.75		NM			
	4/29/2003	138.52	16.52		NM			
	8/7/2003	136.89	18.15		NM			
	11/3/2003	135.06	19.98		NM			
	1/27/2004	138.38	16.66		NM			
	5/28/2004	137.17	17.87		NM			
	5/10/2005	139.04	16.00		NM			
GW-39 Upper-A	7/25/2001	137.55	17.34	154.89	NM	7.5-27.5	7.0-31.5	0.0-7.0
	10/29/2001	136.94	17.95		ND			
	1/30/2002	140.35	14.54		NM			
	4/29/2002	138.92	15.97		NM			
	7/30/2002	137.53	17.36		NM			
	10/28/2002	138.39	16.50		NM			
	1/28/2003	140.49	14.40		NM			
	4/29/2003	139.98	14.91		NM			
	8/7/2003	138.21	16.68		NM			
	11/3/2003	136.70	18.19		NM			
	1/27/2004	140.14	14.75		NM			
	5/28/2004	138.69	16.20		NM			
	5/10/2005	140.68	14.21		NM			
DPE-1	9/8/2003	131.76	22.00	153.76	ND	16-26.0	14.0-26.0	0-12.0
	11/3/2003	134.93	18.83		ND			
	1/27/2004	139.03	14.73		NM			
	5/28/2004	137.56	16.20		NM			
	5/10/2005	139.80	13.96		NM			
DPE-2	9/8/2003	NM	NM	154.03	ND	16.0-20.0	14.0-26.0	0-12.0
	11/3/2003	NM	NM		NM			
	1/27/2004	138.43	15.60		NM			
	5/28/2004	136.81	17.22		NM			
	5/10/2005	139.35	14.68		NM			
DPE-3	9/10/2003	134.99	19.50	154.49	ND	14.0-24.0	13.5-24.0	0-13.5
	11/3/2003	134.56	19.93		ND			
	1/27/2004	137.70	16.79		NM			
	5/28/2004	136.15	18.34		NM			
	5/10/2005	138.15	16.34		NM			
DPE-4	9/10/2003	134.92	20.00	154.92	ND	15-25.0	14.5-25.0	0-14.5
	11/3/2003 -	NM	NM		NM			
	5/28/2004				NM			
	5/10/2005	138.21	16.71		NM			
DPE-5	9/10/2003	132.46	22.50	154.96	ND	15.0-25.0	14.5-25.0	0-14.5
	11/3/2003	NM	NM		NM			
	1/27/2004	135.66	19.30		NM			
	5/28/2004	135.32	19.64		NM			
	5/10/2005	136.77	18.19		NM			
DPE-6	9/10/2003	133.89	21.00	154.89	ND	15.0-25.0	14.5-25.0	0-14.5
	11/3/2003	NM	NM		NM			
	1/27/2004	135.71	19.18		NM			
	5/28/2004	135.38	19.51		NM			
	5/10/2005	136.84	18.05		NM			

Table 1. Water Level Data and Well Construction Details

Former Mead Clark Lumber Company
 Third and Railroad Streets
 Santa Rosa, California

Well ID	Date	Groundwater Elevation	Depth-to-Water	Top of Casing Elevation (Mean Sea Level)	Free Product Thickness	Screen Interval	Sand Pack Interval	Bentonite/Grout Interval
								feet
DPE-7	9/9/2003	134.49	20.00	154.49	ND	14.0-24.0	13.0-24.5	0-13.0
	11/3/2003 - 5/28/2004	NM	NM		NM			
	5/10/2005	137.64	16.85		NM			
DPE-8	9/9/2003	134.30	20.00	154.30	ND	14.0-24.0	13.0-24.0	0-13.0
	11/3/2003 - 5/28/2004	NM	NM		NM			
	5/10/2005	137.60	16.70		NM			
DPE-9	9/9/2003	133.71	20.50	154.21	ND	14.0-24.0	13.0-24.0	0-13.0
	11/3/2003	133.52	20.69		ND			
	1/27/2004	136.13	18.08		ND			
	5/28/2004	134.38	19.83		0.13 feet			
	5/10/2005	137.18	17.03		ND			

Notes:

NM = Not Measured

ND = Non Detect

¹ = Observed after purging of monitoring well.² = Product-absorbent sock temporarily removed from well to collect depth-to-water measurements

--- = Well not surveyed

Top of Casing Elevations Surveyed by Winzler & Kelly on September 24, 2001. Elevations based on National Geodetic Survey Bench Mark U 106, located at the Santa Rosa Northwestern Pacific Railroad Station, with an elevation of 157.30 (NGVD 29) above mean sea level.

Table 2. Groundwater Gradient and Flow Direction

Former Mead Clark Lumber Company

Third and Railroad Streets

Santa Rosa, California

Date	Groundwater Gradient (ft/ft)	Flow Direction	Wells Used for Calculating Gradient and Flow Direction of the Upper-A Aquifer
7/25/2001	0.01 to 0.03	South to Southeast	GW-1, GW-2, GW-12 through GW-16, GW-37, & GW-37 through GW-39
10/29/2001	0.01 to 0.03	South to Southeast	GW-1, GW-2, GW-12 through GW-16, GW-26, GW-37, & GW-37 through GW-39
1/30/2002	0.01 to 0.02	South to Southwest	GW-1, GW-2, GW-12 through GW-16, GW-37, & GW-37 through GW-39
4/29/2002	0.01 to 0.02	South to Southeast	GW-1, GW-2, GW-7, GW-12 through GW-16, GW-37 through GW-39
7/30/2002	0.01 to 0.03	Southeast	GW-1, GW-2, GW-7, GW-12 through GW-16, GW-37 through GW-39
10/28/2002	0.01	South	GW-1, GW-2, GW-7, GW-12 through GW-16, GW-37 through GW-39
1/28/2003	0.01	South	GW-1, GW-2, GW-7, GW-12 through GW-16, GW-37 through GW-39
4/29/2003	0.01	South	GW-1, GW-2, GW-7, GW-12 through GW-16, GW-37 through GW-39
8/7/2003	0.01	South	GW-1, GW-2, GW-7, GW-12 through GW-16, GW-37 through GW-39
11/3/2003	0.01	South	GW-1, GW-2, GW-7, GW-12 through GW-16, GW-37 through GW-39, DPE-1, 3, & 9
1/27/2004	0.02	South	GW-1, GW-2, GW-7, GW-12 through GW-16, GW-37 through GW-39, DPE-1, 2, 3, 5, 6 & 9
5/28/2004	0.01	South	GW-1, GW-2, GW-7, GW-12 through GW-16, GW-37 through GW-39, DPE-1, 2, 3, 5, 6 & 9
5/10/2005	0.02	Southwest	GW-1, GW-2, GW-7, GW-12 through GW-16, GW-31, GW-37 through GW-39, DPE-1 through DPE- 9

Table 3. D.O., Nitrate, and Indicator Parameters

Former Mead Clark Lumber Company
Third and Railroad Streets, Santa Rosa, California

Well ID	Sample Date	DO (mg/L)	Nitrates (mg/L)	pH	Conductivity (μ S/cm)	Turbidity (NTU)	Temperature (°F)	ORP (mV)				
GW-1	10/28/2002	NA	NA	7.0	640	714	70.5	NA				
	1/28/2003 ^a	NA	NA	6.6	691	177	70.7	NA				
	4/29/2003				Not Sampled							
	8/7/2003	NA	NA	7.4	684	141	72.3	NA				
	11/3/2003	NA	NA	6.5	717	556	67.8	NA				
	1/27/2004	NA	NA	6.5	727	46	68.8	NA				
	5/28/2004	NA	NA	6.7	642	226	70.3	61				
	5/10/2005	0.3	NA	7.0	668	126	70.0	-100				
GW-2	1/28/2003 ^a	NA	NA	6.3	686	19	69.4	NA				
	4/29/2003				Not Sampled							
	8/7/2003	NA	NA	7.3	651	68	71.8	NA				
	11/3/2003	NA	NA	6.7	713	71,000	67.9	NA				
	1/27/2004	NA	NA	6.5	709	127	68.0	NA				
	5/28/2004	NA	NA	6.7	641	108	69.5	80				
	5/10/2005	0.4	NA	6.9	651	21	69.2	-125				
GW-7	1/28/2003	NA	NA	6.1	831	225	67.0	NA				
	4/29/2003 ^b	NA	<0.50	NA	NA	NA	NA	NA				
	8/7/2003	NA	NA	6.7	961	158	68.3	NA				
	11/3/2003	NA	NA	6.5	970	222	66.3	NA				
	1/27/2004	NA	NA	6.2	837	175	66.8	NA				
	5/28/2004				Not Sampled							
	5/10/2005	0.4	NA	6.4	526	21	66.7	-93				
GW-12	1/28/2003 ^a	NA	NA	6.4	939	113	69.5	NA				
	4/29/2003				Not Sampled							
	8/7/2003	NA	NA	6.7	947	22	69.6	NA				
	11/3/2003	NA	NA	6.4	1048	118	66.4	NA				
	1/27/2004	NA	NA	6.4	930	65	68.6	NA				
	5/28/2004	2.4	<0.10	6.6	902	50	70.2	48				
	5/10/2005	0.4	NA	7.0	955	10	69.4	-115				
GW-13A	7/30/2002	0.19	NA	6.8	670	55	68.6	NA				
	10/28/2002	NA	NA	6.9	659	23	69.2	NA				
	1/28/2003	NA	NA	6.5	665	9	67.6	NA				
	4/29/2003	NA	NA	6.6	669	7	66.7	NA				
	8/7/2003	NA	NA	6.7	682	31	67.7	NA				
	11/3/2003				Not Sampled							
	1/27/2004				Not Sampled							
	5/28/2004	3.2	<0.10	6.6	654	8	67.8	113				
GW-14	5/10/2005	0.6	NA	6.7	624	11	66.6	20				
	7/30/2002	0.23	NA	6.2	664	43	64.7	NA				
	10/28/2002	NA	NA	6.6	611	10	66.2	NA				
	1/28/2003	NA	NA	6.5	689	11	65.0	NA				
	4/29/2003	NA	NA	6.3	641	18	61.4	NA				
	8/7/2003	NA	NA	6.7	680	19	65.8	NA				
	11/3/2003				Not Sampled							
	1/27/2004	NA	NA	6.5	736	16	65.9	NA				
	5/28/2004				Not Sampled							
	5/10/2005	0.2	NA	6.4	674	10	65.0	121				

Table 3. D.O., Nitrate, and Indicator Parameters

Former Mead Clark Lumber Company
Third and Railroad Streets, Santa Rosa, California

Well ID	Sample Date	DO (mg/L)	Nitrates (mg/L)	pH	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°F)	ORP (mV)
GW-15	7/30/2002	0.35	<5	6.8	639	3	69.5	NA
	10/28/2002	NA	NA	7.3	604	1	68.5	NA
	1/28/2003	NA	NA	6.4	642	7	66.7	NA
	4/29/2003	NA	NA	7.2	690	23	62.1	NA
	8/7/2003	NA	NA	7.2	639	4	70.3	NA
	11/3/2003				Not Sampled			
	1/27/2004	NA	NA	6.6	616	15	66.3	NA
	5/28/2004				Not Sampled			
	5/10/2005	1.8	NA	7.0	599	103	64.3	128
GW-16	7/30/2002	NA	NA	6.7	603	51	68.2	NA
	10/28/2002	NA	NA	7.1	579	24	68.6	NA
	1/28/2003	NA	NA	6.3	640	60	67.5	NA
	4/29/2003	NA	1.6	6.7	628	46	66.5	NA
	8/7/2003	NA	NA	6.7	631	18	69.5	NA
	11/3/2003				Not Sampled			
	1/27/2004				Not Sampled			
	5/28/2004	3.3	2.5	6.6	654	21	69.0	137
	5/10/2005	0.4	NA	6.6	661	24	67.7	145
GW-18	7/30/2002	NA	NA	7.7	521	4	67.7	NA
	10/28/2002	NA	NA	7.3	515	2	67.1	NA
	1/28/2003	NA	NA	7.6	554	1	65.4	NA
	4/29/2003	NA	NA	7.2	534	2	66.8	NA
	8/7/2003	NA	NA	7.3	548	4	68.0	NA
	11/3/03 - 5/28/04				Not Sampled			
	5/10/2005	0.6	NA	7.4	524	10	65.8	13
GW-31	7/30/2002	NA	NA	7.4	674	28	68.2	NA
	10/28/2002	NA	NA	7.1	708	31	69.2	NA
	1/28/2003	NA	NA	7.3	799	6	68.4	NA
	4/29/2003	NA	NA	7.3	676	48	65.8	NA
	8/7/2003	NA	NA	7.3	677	462	70.2	NA
	11/3/03 - 5/28/04				Not Sampled			
	5/10/2005	1.0	NA	7.4	739	14	67.0	50
GW-37	7/30/2002	0.18	<5	6.7	954	607	69.1	NA
	10/28/2002	NA	NA	6.9	941	883	70.0	NA
	1/28/2003	NA	NA	6.7	1141	128	69.5	NA
	4/29/2003	NA	<0.50	6.6	1020	96	68.0	NA
	8/7/2003	NA	NA	6.6	946	54	68.7	NA
	11/3/2003	NA	NA	6.3	823	387	66.8	NA
	1/27/2004	NA	NA	6.3	1140	53	69.1	NA
	5/28/2004	NA	NA	6.6	921	147	69.4	80
	5/10/2005	0.3	NA	6.6	1013	37	69.5	-72

Table 3. D.O., Nitrate, and Indicator Parameters

Former Mead Clark Lumber Company
Third and Railroad Streets, Santa Rosa, California

Well ID	Sample Date	DO (mg/L)	Nitrates (mg/L)	pH	Conductivity (uS/cm)	Turbidity (NTU)	Temperature (°F)	ORP (mV)
GW-38	7/30/2002	0.19	<5	6.7	704	224	69.0	NA
	10/28/2002	NA	NA	7.1	651	59	70.5	NA
	1/28/2003	NA	NA	6.8	701	13	70.0	NA
	4/29/2003	NA	NA	6.7	727	33	68.0	NA
	8/7/2003	NA	NA	6.7	724	87	68.8	NA
	11/3/2003	NA	NA	6.2	717	55	68.8	NA
	1/27/2004	NA	NA	6.5	708	38	69.7	NA
	5/28/2004	NA	NA	6.7	692	30	69.1	115
	5/10/2005	0.5	NA	6.9	634	34	69.1	50
GW-39	7/30/2002	0.20	NA	NA	NA	NA	NA	NA
	10/28/2002	NA	NA	7.1	595	122	70.1	NA
	1/28/2003	NA	NA	6.3	703	90	68.5	NA
	4/29/2003	NA	NA	6.6	658	122	67.4	NA
	8/7/2003	NA	NA	6.6	634	74	68.9	NA
	11/3/03 - 5/28/04				Not Sampled			
	5/10/2005	0.3	NA	6.6	659	9	67.0	41
DPE-1	11/3/2003	NA	NA	6.5	1059	280	67.7	NA
	1/27/2004	NA	NA	6.4	943	514	67.7	NA
	5/28/2004	NA	NA	6.6	847	996	68.1	27
	5/10/2005	0.3	NA	6.5	920	47	67.3	-125
DPE-2	1/27/2004	NA	NA	6.4	890	68	71.3	NA
	5/28/2004				Not Sampled			
	5/10/2005	0.3	NA	6.6	899	27	69.3	-125
DPE-3	11/3/2003	NA	NA	6.6	1022	192	69.4	NA
	1/27/2004	NA	NA	6.4	847	38	71.4	NA
	5/28/2004				Not Sampled			
	5/10/2005	0.3	NA	6.8	878	17	70.3	-156
DPE-4	5/10/2005	0.4	NA	6.7	655	13	69.1	-130
DPE-5	1/27/2004	NA	NA	6.4	776	156	69.9	NA
	5/28/2004				Not Sampled			
	5/10/2005	0.6	NA	6.8	635	27	69.2	-99
DPE-6	1/27/2004	NA	NA	6.5	733	167	68.8	NA
	5/28/2004				Not Sampled			
	5/10/2005	0.7	NA	6.7	641	12	67.5	-80
DPE-7	5/10/2005	0.4	NA	6.9	659	12	67.7	-84
DPE-8	5/10/2005	0.4	NA	6.7	779	10	68.1	-56
DPE-9	11/3/2003	NA	NA	6.7	1010	236	67.8	NA
	1/27/2004	NA	NA	6.3	769	75	66.6	NA
	5/28/2004	NA	NA	6.6	760	71000	68.2	31
	5/10/2005	0.1	NA	6.8	729	10	66.0	-113

Notes:

DO = Dissolved Oxygen

mg/L = milligrams per liter

uS/cm = microSiemens per centimeter

NTU = nephelometric turbidity units

°F = degrees Fahrenheit

mV = millivolts

NA = Constituent Not Analyzed

a = The well was purged but not sampled.

b = A groundwater sample was collected to be analyzed for nitrates only. The well was not

c = Visual observation

Table 4. Groundwater Sample Analyses Results

Former Mead Clark Lumber Company
Third and Railroad Streets, Santa Rosa, California

Well ID	Date Sampled	Analytic Methods	TPH-G	TPH-D	TPH-MO	TPH-K	B	T	E	X	MTBE	Other Volatile Hydrocarbons	1,2-DCA
			ug/L										
GW-1 Upper-A	11/17/1986		NA	NA		NA	540	160	<2.5	820	NA	NA	***
	12/23/1986		NA	NA		NA	540	280	280	1,400	NA	NA	1.2
	5/12/1987		NA	NA		NA	8,900	2,000	1,100	3,300	NA	NA	***
	6/2/1987		NA	NA		NA	4,800	1,800	1,000	3,100	NA	NA	***
	12/16/1987		NA	NA		NA	2,900	1,500	3,100	14,000	NA	NA	NA
	3/22/1988		12,400	NA		<50	1,450	425	550	2,025	NA	NA	NA
	7/6/1988		20,800	NA		<10,000	5,400	400	2,500	560	NA	NA	NA
	10/11/1988		61,000	NA		<5,000	2,100	1,100	2,700	10,500	NA	NA	NA
	1/13/1989		82,000	NA		NA	2,000	850	3,800	13,000	NA	NA	NA
	4/13/1989		190,000	NA		NA	1,100	850	1,900	9,600	NA	NA	NA
	7/21/1989		70,000	NA		NA	650	270	1,400	3,400	NA	NA	NA
	1998	Monitoring wells were sampled for four quarters in 1998 by EnviroNet Consultants. Due to questions by the NCRWQCB about the quality of the data, EnviroNet's data is not presented herein.											
	4/29/2002		13,000	10,000 ¹		NA	47	20	970	330	<10	<10, TBA < 250	NA
	7/30/2002		Not sampled due to free product										
	10/28/2002	8015M/8020/8260B	12,000	33,000 ^{1,3}		NA	25	13	680	270	<10	<10, TBA < 250	NA
	1/28/2003 & 4/29/03		Not sampled due to sheen										
	8/7/2003	8015M/8260	30,000	NA		NA	<100	<100	830	230	<100	<100, TBA < 2,500	NA
	11/3/2003	8015M/8260	9,300	NA		NA	<5.0	<5.0	72	15	<5.0	<5.0, TBA < 100	NA
	1/27/2004	8015M/8260B	12,000	NA		NA	<20	<20	460	91	<20	<20, TBA < 500	NA
	5/28/2004	5030/8015M/8260B	32,000	NA		NA	<20	<20	420	190	<20	<20, TBA < 500	NA
	5/10/2005	5030/8015M/8260B	4,300	14,000 ^{1,4}	<2,000	NA	1.6	1.2	93	20	<1.0	isopropyl benzene=48, n-propyl benzene=170, 1,3,5-trimethylbenzene=11, 1,2,4-trimethylbenzene=13, sec-butylbenzene=21, p-isopropyltoluene=4.3, n-butylbenzene=41, naphthalene=35, <1.0, TBA < 25	NA
GW-2 Upper-A	11/17/1986		NA	NA		NA	460	9,800	1.9	1,500	NA	NA	***
	11/17/1986*		NA	NA		NA	330	480	NA	1,800	NA	NA	1.90
	12/23/1986		NA	NA		NA	1,200	470	1,100	4,600	NA	NA	0.30
	5/12/1987		NA	NA		NA	2,600	610	550	1,700	NA	NA	***
	12/16/1987		NA	NA		NA	2,900	480	1,400	3,100	NA	NA	NA
	3/22/1988		12,400	NA		<50	1,056	268	536	1,370	NA	NA	NA
	6/30/1988		22,000	NA		<250	1,700	340	780	2,200	NA	NA	NA
	10/6/1988		17,000	NA		<12,500	1,100	420	1,100	2,900	NA	NA	NA
	1/13/1989		47,000	NA		NA	1,800	420	730	3,900	NA	NA	NA
	4/13/1989		32,000	NA		NA	850	160	530	1,500	NA	NA	NA
	7/20/1989		90,000	NA		NA	1,000	250	1,200	1,900	NA	NA	NA
	1998	Monitoring wells were sampled for four quarters in 1998 by EnviroNet Consultants. Due to questions by the NCRWQCB about the quality of the data, EnviroNet's data is not presented herein.											
	4/29/2002		Not sampled due to sheen										
	1/30/2002	8015M/8020/8260M	8,800	150,000 ^{1,2}		NA	130	54	290	76	<5.0	<5.0, TBA < 100	<5.0
	7/30/2002		Not sampled due to free product										
	10/28/2002 thru 4/29/03		Not sampled due to sheen										
	8/7/2003	8015M/8260	20,000	NA		NA	7.0	7.1	370	26	<5.0	<5.0, TBA < 100	<5.0
	11/3/2003	8015M/8260	4,700	NA		NA	3.3	<2.0	11	2.0	<2.0	<2.0, TBA < 50	NA
	1/27/2004	8015M/8260B	11,000	NA		NA	8.5	<5.0	130	14	<5.0	<5.0, TBA < 100	NA
	5/28/2004	5030/8015M/8260B	28,000	NA		NA	<5.0	<5.0	110	10	<5.0	<5.0, TBA < 100	NA
	5/10/2005	5030/8015M/8260B	31,000	21,000 ^{1,4}	<2,000	NA	12	<10	81	14	<10	isopropyl benzene=140, n-propyl benzene=510, tert-butylbenzene=21, sec-butylbenzene=310, p-isopropyltoluene=25, n-butylbenzene=710, <1.0, TBA < 25	NA
GW-3	11/17/1986		NA	NA		NA	420	120	<2.5	770	NA	NA	<0.1
	12/23/1986		NA	NA		NA	530	46	38	720	NA	NA	<0.1
	5/12/1987		NA	NA		NA	2,100	250	230	430	NA	NA	<1
	12/16/1987		NA	NA		NA	1,900	1,200	730	3,300	NA	NA	NA
	3/22/1988		8,200	NA		<50	300	190	140	340	NA	NA	NA
	3/22/1988		11,000	NA		<50	620	380	310	620	NA	NA	NA
	6/30/1988		2,900	NA		<2,500	1,100	60	80	50	NA	NA	NA
	6/30/1988		2,600	NA		<2,500	980	42	45	60	NA	NA	NA
Abandoned													

Table 4. Groundwater Sample Analyses Results

Former Mead Clark Lumber Company

Third and Railroad Streets, Santa Rosa, California

Well ID	Date Sampled	Analytic Methods	TPH-G	TPH-D	TPH-MO	TPH-K	B	T	E	X	MTBE	Other Volatile Hydrocarbons	1,2-DCA
			ug/L										
GW-4	11/17/1986		NA	NA		NA	500	3,500	<50	5,700	NA	NA	0.80
	12/23/1986		NA	NA		NA	2,200	2,400	1,800	6,700	NA	NA	1.0
	5/12/1987		NA	NA		NA	1,500	880	890	2,000	NA	NA	***
	12/17/1987		NA	NA		NA	4,100	3,300	1,900	8,500	NA	NA	NA
	3/22/1988		30,000	NA		<50	430	410	230	800	NA	NA	NA
	6/28/1988		17,000	NA		<12,500	2,700	1,200	1,100	2,000	NA	NA	NA
			Abandoned										
GW-5	11/17/1986		NA	NA		NA	550	5.0	<1	1,300	NA	NA	8.30
	12/23/1986		NA	NA		NA	910	360	380	5,500	NA	NA	7.40
	5/12/1987		NA	NA		NA	7,100	5400	1,800	6,000	NA	NA	***
	12/16/1987		NA	NA		NA	2,200	410	820	2,800	NA	NA	NA
	3/22/1988		18,000	NA		<50	2,600	390	570	1,300	NA	NA	NA
	6/30/1988		14,000	NA		<12,500	1,700	310	350	1,300	NA	NA	NA
			Abandoned										
GW-6	11/17/1986		NA	NA		NA	<0.1	<0.1	<0.1	<0.1	NA	NA	<0.1
	5/12/1987		NA	NA		NA	150	1.0	2.2	3.3	NA	NA	<0.1
	12/23/1986		NA	NA		NA	<0.1	<0.1	<0.1	<0.1	NA	NA	<0.1
	12/16/1987		NA	NA		NA	390	12	8.7	27	NA	NA	<0.5
	3/22/1988		130	NA		<50	12	1.5	0.7	3.4	NA	NA	NA
	6/28/1988		80	NA		<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
			Abandoned										
GW-7 Upper-A	11/17/1986		NA	NA		NA	330	480	<25	1,800	NA	NA	7.20
	12/23/1986		NA	NA		NA	930	250	280	1,500	NA	NA	<0.1
	1/19/1987		NA	NA		NA	1,900	100	850	2,200	NA	NA	NA
	12/16/1987		NA	NA		NA	NA	NA	NA	NA	NA	NA	<25
	4/8/1988		1,200,000	NA		<250,000	5,000	2,200	2,600	13,000	NA	NA	NA
	7/22/1988		410,000	NA		<250	21,000	10,000	15,000	51,000	NA	NA	NA
	10/11/1988		47,000	NA		<25,000	6,500	360	2,900	9,100	NA	NA	NA
	1/13/1989		4,188,000	NA		NA	3,500	430	2,400	5,600	NA	NA	NA
	4/13/1989		290,000	NA		NA	2,300	310	2,600	7,500	NA	NA	NA
	7/21/1989		510,000	NA		NA	5,700	310	4,400	6,700	NA	NA	NA
	1998		Monitoring wells were sampled for four quarters in 1998 by EnviroNet Consultants. Due to questions by the NCRWQCB about the quality of the data, EnviroNet's data is not presented herein.										
	10/29/2001		Not sampled due to free product										
	1/30/2002 thru 4/29/03		Not sampled due to sheen										
	8/7/2003	8015M/8260	29,000	NA		NA	220	6.6	490	100	<5.0	<5.0, TBA <250	NA
	11/3/2003	8015M/8260	37,000	NA		NA	270	10	430	82	<10	<10, TBA <250	NA
	1/27/2004	8015M/8260B	8,800	NA		NA	51	<5.0	130	12	<5.0	<5.0, TBA <100	NA
	5/10/2005	5030/8015M/8260B	5,300	4,900 ¹	<200	NA	23	2.0	80	4.5	<1.0	isopropyl benzene=69, n-propyl benzene=220, 1,3,5-trimethylbenzene=8.2, tert-butylbenzene=1.6, 1,2,4-trimethylbenzene=6.4, sec-butylbenzene=30, p-isopropyltoluene=6.4, n-butylbenzene=45, naphthalene=36, <1.0, TBA <25	NA
GW-8	12/18/1987		NA	NA		NA	4,600	250	210	24	NA	NA	NA
	3/22/1988		6,700	NA		<50	970	150	60	90	NA	NA	NA
GW-9	12/18/1987		NA	NA		NA	220	<0.8	<0.8	<0.8	NA	NA	NA
			Abandoned										
GW-10	12/18/1987		NA	NA		NA	<0.8	<0.8	<0.8	<0.8	NA	NA	NA
			Abandoned										
GW-11	12/18/1987		NA	NA		NA	<0.8	<0.8	<0.8	<0.8	NA	NA	NA
	3/22/1988		<50	NA		<50	0.6	0.6	<0.2	1.4	NA	NA	NA
			Abandoned										

Table 4. Groundwater Sample Analyses Results

Former Mead Clark Lumber Company
Third and Railroad Streets, Santa Rosa, California

Well ID	Date Sampled	Analytic Methods	TPH-G	TPH-D	TPH-MO	TPH-K	B	T	E	X	MTBE	Other Volatile Hydrocarbons	1,2-DCA			
			ug/L													
GW-12	12/18/1987		NA	NA		NA	NA	NA	NA	NA	NA	NA	NA			
Upper-A	4/8/1988	6,000,000	NA		<25,000	4,000	1,000	1,000	5,000	NA	<5.0	NA	NA			
	7/22/1988	56,000	NA		<250	8,000	1,200	1,400	9,400	NA	NA	NA	NA			
	10/11/1988	460,000	NA		<25,000	12,000	2,600	1,100	33,000	NA	NA	NA	NA			
	1/13/1989	72,000	NA		NA	8,700	970	2,900	9.1	NA	NA	NA	NA			
	1/13/1989	70,000	NA		NA	120	55	270	6,600	NA	NA	NA	NA			
	4/13/1989	25,000	NA		NA	3,200	310	1,100	3,300	NA	NA	NA	NA			
	7/21/1989	81,000	NA		NA	7,600	470	2,700	4,200	NA	NA	NA	NA			
	1998	Monitoring wells were sampled for four quarters in 1998 by EnviroNet Consultants. Due to questions by the NCRWQCB about the quality of the data, EnviroNet's data is not presented herein.														
	10/29/2001	5030/8015M/8260	18,000	9,800		9,800	400	<30	770	<50	<50 - <1,000	***	NA			
	7/25/2001				Not sampled due to free-product											
	10/29/2001	5030/8015M/8260	18,000	9,800		9,800	400	<30	770	<50	<0.50	***	<50			
	1/30/2002	Not sampled due to sheen														
	8/7/2003	8015M/8260	15,000	NA		NA	390	12	640	30	<10	<10, TBA <250	NA			
	11/3/2003	8015M/8260	11,000	NA		NA	47	<5.0	83	5.7	17	<5.0, TBA <100	NA			
	1/27/2004	8015M/8260B	9,100	NA		NA	180	<10	420	17	<10	<10, TBA <250	NA			
	5/28/2004	5030/8015M/8260B	5,700	NA		NA	170	<10	280	18	<10	<10, TBA <250	NA			
	5/10/2005	5030/8015M/8260B	8,000	4,700¹	<200	NA	140	6.5	240	12	<5.0	isopropyl benzene=140, n-propyl benzene=380, 1,3,5-trimethylbenzene=6.6, sec-butylbenzene=29, p-isopropyltoluene=9.1, n-butylbenzene=51, naphthalene=240, <5.0, TBA <120	NA			
GW-13A	12/16/1987		NA	NA		NA	1,000	500	360	950	NA	NA	NA			
Upper-A	3/22/1988	3,700	NA		<50	370	22	36	100	NA	NA	NA	NA			
	6/28/1988	660	NA		<250	<2.5	1.5	<2.5	3.1	NA	NA	NA	NA			
	10/6/1988	1,300	NA		<250	19	6.4	18	21	NA	NA	NA	NA			
	1/1/1989	4,000	NA		NA	450	20	35	180	NA	NA	NA	NA			
	4/1/1989	2,700	NA		NA	200	18	130	180	NA	NA	NA	NA			
	7/20/1989	300	NA		NA	2.6	<0.5	1.2	<0.5	NA	NA	NA	NA			
	1998	Monitoring wells were sampled for four quarters in 1998 by EnviroNet Consultants. Due to questions by the NCRWQCB about the quality of the data, EnviroNet's data is not presented herein.														
	7/25/2001	8015M/8260	<50	<50		<50	<0.30	<0.30	<0.50	<0.50	<0.50	***	NA			
	10/29/2001	8015M/8260	130	<50		<50	<0.30	<0.30	<0.50	<0.50	<0.50	***	<0.50			
	1/30/2002	8015M/8020/8260M	120	50¹		NA	0.75	0.62	0.66	<1.5	<1.0	<1.0, TBA <25	<1.0			
	4/29/2002	8015M/8020/8260M	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA			
	7/30/2002	8015M/8020/8260M	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA			
	10/28/2002	8015M/8020/8260B	100	<50		NA	0.61	<0.5	0.55	<1.5	<1.0	<1.0, TBA <25	NA			
	1/28/2003	8015M/8020/8260B	97	88¹		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA			
	4/29/2003	8015M/8020/8260B	86	73¹		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA			
	8/7/2003	8015M/8260	<50	NA		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA			
	5/28/2004	5030/8015M/8260B	<50	NA		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA			
	5/10/2005	5030/8015M/8260B	98	<50	<200	NA	<1.0	<1.0	<1.0	<1.0	<1.0	isopropyl benzene=1.2, n-propyl benzene=3.7, <1.0, TBA <25	NA			
GW-14	12/16/1987		<50	NA		<50	<0.8	<0.8	<0.8	<0.8	NA	NA	26			
Upper-A	3/22/1988	400	NA		<50	40	1.9	0.7	1.4	NA	NA	<0.5				
	6/25/1988	410	NA		<50	24	2.7	0.9	1.3	NA	NA	NA				
	10/6/1988	270	NA		<100	6.8	6.0	<1.0	3.2	NA	NA	NA				
	1/1/1989	<50	NA		NA	2.2	1.3	0.75	NA	NA	NA	NA				
	4/12/1989	<50	NA		NA	<1.0	<1.0	<1.0	<1.0	NA	NA	NA				
	7/20/1989	<100	NA		NA	0.6	<0.5	<0.5	<0.5	NA	NA	NA				
	1998	Monitoring wells were sampled for four quarters in 1998 by EnviroNet Consultants. Due to questions by the NCRWQCB about the quality of the data, EnviroNet's data is not presented herein.														
	2/19/1990	ND	NA		NA	ND	ND	NA	NA	NA	NA	NA				
	6/22/1990	ND	NA		NA	ND	ND	NA	NA	NA	NA	NA				
	10/24/1990	ND	NA		NA	ND	ND	NA	NA	NA	NA	NA				
	7/25/2001	8015M/8260	<50	<50		<50	<0.30	<0.30	<0.50	<0.50	ND	<0.50, TBA <10	NA			
	10/29/2001	8015M/8260	<4.0	<50		<50	<0.30	<0.30	<0.50	<0.50	ND	<0.50, TBA <10	<0.50			
	1/30/2002	8015M/8020/8260M	<50	<50		NA	<0.5	<0.5	<0.5	<0.5	<1.5	<1.0, TBA <25	<1.0			
	4/29/2002	8015M/8020/8260M	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA			
	7/30/2002	8015M/8020/8260M	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA			
	10/28/2002	8015M/8020/8260B	<50	<50		NA	<0.5	<0.5	<0.5	<0.5	<1.5	<1.0, TBA <25	NA			
	1/28/2003	8015M/8020/8260B	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA			
	4/29/2003	8015M/8020/8260B	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA			
	8/7/2003	8015M/8260	<50	NA		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA			
	1/27/2004	8015M/8260B	<50	NA		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA			
	5/10/2005	5030/8015M/8260B	<50	<50	<200	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA			

Table 4. Groundwater Sample Analyses Results

Former Mead Clark Lumber Company
Third and Railroad Streets, Santa Rosa, California

Well ID	Date Sampled	Analytic Methods	TPH-G	TPH-D	TPH-MO	TPH-K	B	T	E	X	MTBE	Other Volatile Hydrocarbons	1,2-DCA
			ug/L										
GW-15 Upper-A	12/18/1987		110	NA		<50	2.4	<0.8	<0.8	<0.8	NA	NA	1.50
	3/24/1988		<50	NA		NA	<0.2	<0.2	<0.2	<0.2	NA	NA	<0.5
	7/1/1988		<50	NA		<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	10/7/1988		<50	NA		<50	<0.5	<0.5	<0.5	0.8	NA	NA	NA
	1/11/1989		<50	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	4/12/1989		<50	NA		NA	<1.0	<1.0	<1.0	<1.0	NA	NA	NA
	7/20/1989		<100	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	2/19/1990		ND	NA		NA	ND	ND	ND	NA	NA	NA	NA
	6/25/1990		ND	NA		NA	ND	ND	ND	NA	NA	NA	NA
	10/24/1990		ND	NA		NA	ND	ND	ND	NA	NA	NA	NA
	7/25/2001	8015M/8260	<50	<50		<50	<0.30	0.90	<0.50	<0.50	<0.50	***	NA
	10/29/2001	8015M/8260	<4.0	<50		<50	<0.30	<0.30	<0.50	<0.50	<0.50	***	<0.50
	1/30/2002	8015M/8020/8260M	<50	<50		NA	<0.5	<0.5	<0.5	<1.5	<1.0	<1.0, TBA <25	<1.0
	4/29/2002	8015M/8020/8260M	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	7/30/2002	8015M/8020/8260M	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	10/28/2002	8015M/8020/8260B	<50	<50		NA	<0.5	<0.5	<0.5	<1.5	<1.0	<1.0, TBA <25	NA
	1/28/2003	8015M/8020/8260B	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	4/29/2003	8015M/8020/8260B	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	8/7/2003	8015M/8260	<50	NA		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	1/27/2004	8015M/8260B	<50	NA		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	5/10/2005	5030/8015M/8260B	<50	<50	<200	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
GW-16 Upper-A	12/29/1987	51	NA		50	22	<0.5	<0.5	0.5	NA	NA	NA	NA
	3/24/1988	460	NA		<50	240	2.5	0.9	3.9	NA	NA	NA	2.7
	7/1/1988	<50	NA		<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	10/7/1988	150	NA		<50	4.4	1.5	0.9	3.6	NA	NA	NA	NA
	1/11/1989	<50	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	2/19/1990	180	8.5		NA	8.5	ND	5.3	0.98	NA	NA	NA	NA
	6/21/1990	ND	NA		NA	ND	ND	ND	ND	NA	NA	NA	NA
	10/24/1990	ND	NA		NA	ND	ND	ND	ND	NA	NA	NA	NA
	7/25/2001	8015M/8260	<50	<50		<50	<0.30	<0.30	<0.50	<0.50	***	NA	NA
	10/29/2001	8015M/8260	<4.0	<50		<50	<0.30	<0.30	<0.50	<0.50	2.5	***	<0.50
	1/30/2002	8015M/8020/8260M	<50	<50		NA	<0.5	<0.5	<0.5	<1.5	<1.0	<1.0, TBA <25	<1.0
	4/29/2002	8015M/8020/8260M	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	7/30/2002	8015M/8020/8260M	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	10/28/2002	8015M/8020/8260B	<50	<50		NA	<0.5	<0.5	<0.5	<1.5	<1.0	<1.0, TBA <25	NA
	1/28/2003	8015M/8020/8260B	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	4/29/2003	8015M/8020/8260B	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	8/7/2003	8015M/8260	<50	NA		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	5/28/2004	5030/8015M/8260B	<50	NA		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	5/10/2005	5030/8015M/8260B	<50	<50	<200	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
GW-18 B-Aquifer	1/12/1988	<50	NA		<50	NA	NA	NA	NA	NA	NA	NA	NA
	4/21/1988	NA	NA		NA	<0.2	<0.2	<0.2	<0.2	NA	NA	NA	<0.5
	6/28/1988	<50	NA		<50	<0.2	1.3	<0.5	2.0	NA	NA	NA	NA
	10/7/1988	<50	NA		<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	1/11/1989	<50	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	4/13/1989	<50	NA		NA	3.9	<0.5	<0.5	<1.5	NA	NA	NA	NA
	7/20/1989	<100	NA		NA	1.1	<0.5	<0.5	<0.5	NA	NA	NA	NA
	1998	Monitoring wells were sampled for four quarters in 1998 by EnviroNet Consultants. Due to questions by the NCRWQCB about the quality of the data, EnviroNet's data is not presented herein.											
	2/19/1990	ND	NA		NA	ND	0.63	ND	0.42	NA	NA	NA	NA
	7/25/2001	8015M/8260	<50	<50		<50	<0.30	1.2	<0.50	<0.50	<0.50	***	NA
GW-19 Upper-A	10/29/2001	8015M/8260	<50	<50		<50	<0.30	<0.30	<0.50	<0.50	<0.50	***	<0.50
	1/30/2002	8015M/8020/8260M	<50	<50		NA	<0.5	<0.5	<0.5	<1.5	<1.0	<1.0, TBA <25	<1.0
	4/29/2002	8015M/8020/8260M	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	7/30/2002	8015M/8020/8260M	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	10/28/2002	8015M/8020/8260B	<50	<50		NA	<0.5	<0.5	<0.5	<1.5	<1.0	<1.0, TBA <25	NA
	1/28/2003	8015M/8020/8260B	<50	<50		NA	<1.0	<1.0	<1.0	1.3	<1.0	<1.0, TBA <25	NA
	4/29/2003	8015M/8020/8260B	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	8/7/2003	8015M/8260	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	5/10/2005	5030/8015M/8260B	<50	<50	<200	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA
	3/24/1988	50	NA		NA	<0.2	<0.2	<0.2	<0.2	NA	NA	NA	<0.5
GW-20 Upper-A	6/28/1988	<50	NA		<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	10/7/1988	<50	NA		<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	1/11/1989	<50	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	4/12/1989	<50	NA		NA	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
	7/19/1989	<100	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
	7/25/2001	8015M/8260	<50	<50		<50	<0.30	<0.30	<0.50	<0.50	<0.50	***	NA
	4/29/2002	8015M/8020/8260M	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA <25	NA

Table 4. Groundwater Sample Analyses Results

Former Mead Clark Lumber Company
Third and Railroad Streets, Santa Rosa, California

Well ID	Date Sampled	Analytic Methods	TPH-G	TPH-D	TPH-MO	TPH-K	B	T	E	X	MTBE	Other Volatile Hydrocarbons	1,2-DCA
			ug/L										
GW-20	3/24/1988		<50	NA		NA	<0.2	<0.2	<0.2	NA	NA	NA	<0.5
	7/1/1988		<50	NA		<50	<0.5	<0.5	<0.5	NA	NA	NA	NA
	10/1/1988		<50	NA		<50	<0.5	<0.5	<0.5	1.0	NA	NA	NA
	1/1/1989		<50	NA		NA	<0.5	<0.5	<0.5	NA	NA	NA	NA
	4/11/1989		<50	NA		NA	2.8	<0.5	<1.5	<1.5	NA	NA	NA
	7/19/1989		<100	NA		NA	<0.5	<0.5	<0.5	NA	NA	NA	NA
GW-21	4/4/1988		<50	NA		<50	<0.5	<0.5	<0.5	NA	NA	NA	<0.5
	6/21/1988		60	NA		<50	1.0	2.0	<0.5	19	NA	NA	NA
	10/1/1988		<50	NA		<50	<0.5	<0.5	<0.5	NA	NA	NA	NA
	1/1/1989		<50	NA		NA	<0.5	<0.5	<0.5	NA	NA	NA	NA
	4/1/1989		<50	NA		NA	<0.5	<0.5	<0.5	NA	NA	NA	NA
	7/19/1989		<100	NA		NA	<0.5	<0.5	<0.5	NA	NA	NA	NA
GW-22	4/5/1988		3,400	NA		<250	315	27	90	230	NA	NA	<0.5
	7/1/1988		310	NA		<50	<0.5	1.7	<0.5	1.0	NA	NA	NA
	10/12/1988		<50	NA		<50	<0.5	<0.5	<0.5	1.3	NA	NA	NA
	1/1/1989		<50	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	4/1/1989		420	NA		NA	45	2.1	<1.5	3.8	NA	NA	NA
	7/19/1989		360	NA		NA	6.0	<0.5	<0.5	<0.5	NA	NA	NA
GW-23	4/5/1988		30,000	NA		<250	780	710	285	735	NA	NA	<0.5
	6/28/1988		31,000	NA		<5000	10,000	1,900	1,600	4,500	NA	NA	NA
	10/12/1988		29,000	NA		<6250	16,000	750	3,000	5,800	NA	NA	NA
	1/13/1989		71,000	NA		NA	9,600	1,300	5,700	6,900	NA	NA	NA
	4/13/1989		21,000	NA		NA	4,200	340	1,400	2,300	NA	NA	NA
	7/21/1989		54,000	NA		NA	6,600	220	2,000	1,800	NA	NA	NA
GW-24	4/6/1988		<50	NA		NA	<0.2	<0.2	<0.2	<0.5	NA	NA	***
	6/29/1988		<50	NA		<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	10/11/1988		<50	NA		<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	1/11/1989		<50	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	4/12/1989		<50	NA		NA	<1.0	<1.0	<1.0	<1.0	NA	NA	NA
	7/19/1989		<100	NA		NA	0.7	<0.5	<0.5	<0.5	NA	NA	NA
	2/19/1990		ND	NA		NA	ND	ND	0.3	ND	NA	NA	NA
GW-25	6/22/1990		ND	NA		NA	ND	ND	ND	ND	NA	NA	NA
	10/27/1990		ND	NA		NA	ND	ND	ND	ND	NA	NA	NA
	4/1/1988		14,700	NA		<1,000	2,960	440	184	1,290	NA	NA	8.0
	6/28/1988		11,000	NA		<25000	3,400	100	<25	1,900	NA	NA	NA
	10/12/1988		6,600	NA		<1250	2,200	44	160	340	NA	NA	NA
	1/13/1989		16,000	NA		NA	1,500	9.1	26	1,600	NA	NA	NA
	4/1/1989		<50	NA		NA	120	170	360	720	NA	NA	NA
GW-26	7/19/1989		21,000	NA		NA	2,300	73	590	440	NA	NA	NA
	2/19/1990		12,000	NA		NA	1,200	92	850	860	NA	NA	NA
	6/25/1990		10,000	NA		NA	780	44	5.9	410	NA	NA	NA
	10/27/1990		16,000	NA		NA	1,000	100	970	1,200	NA	NA	NA
	4/14/1988		20,000	NA		<250	8,410	488	492	1,250	NA	NA	3.0
Abandoned													
GW-26A	5/5/1988		6,600	NA		<500	1,800	50	6.0	510	NA	NA	1.3
	7/1/1988		3,000	NA		<2,000	1,000	21	<20	90	NA	NA	NA
	10/1/1988		4,900	NA		<1,250	2,200	<0.5	320	260	NA	NA	NA
	1/1/1989		2,100	NA		NA	250	2.6	6.7	19	NA	NA	NA
	4/12/1989		700	NA		NA	8.3	<1.0	<1.0	22	NA	NA	NA
	7/19/1989		4,900	NA		NA	140	4.0	190	79	NA	NA	NA
GW-27	4/14/1988		<50	NA		<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.5
	6/29/1988		<50	NA		<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	10/1/1988		<50	NA		<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	1/1/1989		<50	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	4/12/1989		<50	NA		NA	<1.0	<1.0	<1.0	<1.0	NA	NA	NA
	7/19/1989		<100	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
GW-28	4/14/1988		1,504	NA		<250	538	17	47	62	NA	NA	<0.5
	6/28/1988		870	NA		<250	65	7	<2.5	13	NA	NA	NA
	10/12/1988		<50	NA		<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	1/1/1989		1,500	NA		NA	<0.5	<0.5	<0.5	0.89	NA	NA	NA
	4/1/1989		270	NA		NA	22	3.3	<1.5	6.9	NA	NA	NA
	7/19/1989		570	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA

Table 4. Groundwater Sample Analyses Results

Former Mead Clark Lumber Company
Third and Railroad Streets, Santa Rosa, California

Well ID	Date Sampled	Analytic Methods	TPH-G	TPH-D	TPH-MO	TPH-K	B	T	E	X	MTBE	Other Volatile Hydrocarbons	1,2-DCA	
			ug/L											
GW-29	4/25/1988		4,840	NA		<250	120	12.5	39.5	67	NA	NA	***	
	6/30/1988		NA	NA		NA	2.0	<0.5	<0.5	4.7	NA	NA	0.9	
	7/3/1988		770	NA		<50	NA	NA	NA	NA	NA	NA	NA	
	10/12/1988		1,400	NA		<500	75	4.0	5.6	14	NA	NA	NA	
	1/11/1989		2,400	NA		NA	7.5	72	<0.5	12	NA	NA	NA	
	4/1/1989		<50	NA		NA	<0.5	<0.5	<1.5	<1.5	NA	NA	NA	
	7/19/1989		1,700	NA		NA	33	<0.5	3.4	2.2	NA	NA	NA	
GW-30	4/25/1988		51,210	NA		<2,500	13,150	7,500	1,085	5,300	NA	NA	26	
	6/28/1988		19,000	NA		<5,000	NA	NA	NA	NA	NA	NA	NA	
	7/6/1988		NA	NA		<1,000	1,650	1,300	122	2,000	NA	NA	35	
	10/11/1988		11,000	NA		<2,500	6,300	540	190	870	NA	NA	NA	
	1/13/1989		12,000	NA		NA	2,400	900	39	580	NA	NA	NA	
	4/13/1989		3,600	NA		NA	530	170	78	300	NA	NA	NA	
	7/20/1989		14,000	NA		NA	1,000	210	180	290	NA	NA	NA	
GW-31 Lower-A	5/4/1988		<50	NA		<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.5	
	7/6/1988		<50	NA		<50	<0.5	<0.5	<0.5	0.6	NA	NA	<0.5	
	10/11/1988		<50	NA		<50	5.9	3.7	<0.5	4.6	NA	NA	NA	
	1/11/1989		<50	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
	4/12/1989		<50	NA		NA	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	
	7/21/1989		<100	NA		NA	0.5	<0.5	0.6	<0.5	NA	NA	NA	
	1998		Monitoring wells were sampled for four quarters in 1998 by EnviroNet Consultants. Due to questions by the NCRWQCB about the quality of the data, EnviroNet's data is not presented herein.											
GW-31 Upper-B	7/25/2001	8015M/8260	<50	<50		<50	<0.30	<0.30	<0.50	3.4	NA	NA	NA	
	10/29/2001	8015M/8260	<50	<50		<50	<0.30	<0.30	<0.50	3.2	NA	NA	4.4	
	1/30/2002	8015M/8020/8260M	<50	<50		NA	<0.5	<0.5	<0.5	4.0	<1.0, TBA < 25	2.4		
	4/29/2002	8015M/8020/8260M	<50	<50		NA	<1.0	<1.0	<1.0	2.5	<1.0, TBA < 25	4.0		
	7/30/2002	8015M/8020/8260M	<50	<50		NA	<1.0	<1.0	<1.0	2.3	<1.0, TBA < 25	4.8		
	10/28/2002	8015M/8020/8260B	<50	<50		NA	<0.5	<0.5	<0.5	3.1	<1.0, TBA < 25	NA		
	1/28/2003	8015M/8020/8260B	<50	<50		NA	<1.0	<1.0	<1.0	3.3	<1.0, TBA < 25	4.0		
GW-32	4/29/2003	8015M/8020/8260B	<50	<50		NA	<1.0	<1.0	<1.0	3.3	<1.0, TBA < 25	5.7		
	8/7/2003	8015M/8260	<50	NA		NA	<1.0	<1.0	<1.0	<1.0	<1.0, TBA < 25	6.8		
	5/10/2005	5030/8015M/8260B	<50	<50	<200	NA	<1.0	<1.0	<1.0	2.6	<1.0, TBA < 25	7.0		
	6/30/1988		NA	NA		NA	<0.5	<0.5	<0.5	NA	NA	NA	0.5	
	7/3/1988		<50	NA		<50	NA	NA	NA	NA	NA	NA	NA	
	10/11/1988		83	NA		<50	34	1.8	1.0	3.2	NA	NA	NA	
	1/11/1989		<50	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
GW-32 Upper-C	4/12/1989		<50	NA		NA	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	
	7/20/1989		<100	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
	1998		Monitoring wells were sampled for four quarters in 1998 by EnviroNet Consultants. Due to questions by the NCRWQCB about the quality of the data, EnviroNet's data is not presented herein.											
	2/19/1990		1,300	NA		NA	140	16	47	99	NA	NA	NA	
	6/23/1990		ND	NA		NA	ND	ND	ND	ND	NA	NA	NA	
	10/26/1990		ND	NA		NA	ND	ND	ND	ND	NA	NA	NA	
	6/30/1988		NA	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.5	
GW-33	7/3/1988		<50	NA		<50	NA	NA	NA	NA	NA	NA	NA	
	10/11/1988		76	NA		<50	3.5	<0.5	0.9	6.8	NA	NA	NA	
	1/11/1989		<50	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
	4/13/1989		<50	NA		NA	<0.5	<0.5	<1.5	<1.5	NA	NA	NA	
	7/20/1989		<100	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
	1998		Monitoring wells were sampled for four quarters in 1998 by EnviroNet Consultants. Due to questions by the NCRWQCB about the quality of the data, EnviroNet's data is not presented herein.											
	2/19/1990		ND	NA		NA	ND	0.03	ND	ND	NA	NA	NA	
GW-33A	6/22/1990		ND	NA		NA	ND	ND	ND	ND	NA	NA	NA	
	10/25/1990		ND	NA		NA	ND	ND	ND	ND	NA	NA	NA	
	7/25/1988		<50	NA		<50	<0.5	<0.5	<0.5	2.0	NA	NA	6.6	
	10/12/1988		<50	NA		<50	0.6	<0.5	<0.5	1.1	NA	NA	NA	
	1/11/1989		<50	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
	4/12/1989		<50	NA		NA	<0.5	<0.5	<1.5	<1.5	NA	NA	NA	
	7/19/1989		<100	NA		NA	<0.5	0.5	<0.5	<0.5	NA	NA	NA	
GW-34	2/19/1990		ND	NA		NA	ND	ND	ND	ND	NA	NA	NA	
	6/23/1990		ND	NA		NA	ND	ND	ND	ND	NA	NA	NA	
	10/25/1990		ND	NA		NA	ND	ND	ND	ND	NA	NA	NA	
	7/25/1988		<50	NA		<50	<0.5	<0.5	<0.5	2.0	NA	NA	6.6	
	10/12/1988		<50	NA		<50	0.6	<0.5	<0.5	1.1	NA	NA	NA	
	1/11/1989		<50	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
	4/12/1989		<50	NA		NA	<0.5	<0.5	<1.5	<1.5	NA	NA	NA	
GW-35	7/19/1989		<100	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.5	
	10/11/1988		54	NA		<50	3.0	1.0	1.5	5.8	NA	NA	<0.5	
	1/11/1989		<50	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	
	4/11/1989		<50	NA		NA	<0.5	<0.5	<1.5	<1.5	NA	NA	NA	
	7/19/1989		<100	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	

Table 4. Groundwater Sample Analyses Results

Former Mead Clark Lumber Company

Third and Railroad Streets, Santa Rosa, California

Well ID	Date Sampled	Analytic Methods	TPH-G	TPH-D	TPH-MO	TPH-K	B	T	E	X	MTBE	Other Volatile Hydrocarbons	1,2-DCA
			ug/L										
GW-36	7/27/1988		NA	NA		NA	NA	NA	NA	NA	NA	NA	1.5
	8/7/1988		<50	NA		<50	<0.5	<0.5	<0.5	NA	NA	NA	NA
	10/12/1988		<50	NA		<50	<0.5	<0.5	<0.5	NA	NA	NA	NA
	1/1/1989		<50	NA		NA	<0.5	<0.5	<0.5	NA	NA	NA	NA
	4/12/1989		<50	NA		NA	<0.5	<0.5	<1.5	NA	NA	NA	NA
	7/19/1989		<100	NA		NA	<0.5	<0.5	<0.5	NA	NA	NA	NA
	2/19/1990		160	NA		NA	12	0.6	2.7	1.4	NA	NA	NA
	6/23/1990		ND	NA		NA	ND	ND	ND	NA	NA	NA	NA
	10/27/1990		ND	NA		NA	ND	ND	ND	NA	NA	NA	NA
	1998	Monitoring wells were sampled for four quarters in 1998 by EnviroNet Consultants. Due to questions by the NCRWQCB about the quality of the data, EnviroNet's data is not presented herein.											
GW-37 Upper-A	7/22/1988		9,800	NA		<2,500	6,000	340	<25	625	NA	NA	<0.5
	10/11/1988		15,000	NA		<2,500	5,000	300	570	900	NA	NA	NA
	1/13/1989		48,000	NA		NA	3,700	2,100	240	5,500	NA	NA	NA
	4/12/1989		13,000	NA		NA	2,200	703	319	588	NA	NA	NA
	7/20/1989		21,000	NA		NA	3,100	280	660	890	NA	NA	NA
	1998	Monitoring wells were sampled for four quarters in 1998 by EnviroNet Consultants. Due to questions by the NCRWQCB about the quality of the data, EnviroNet's data is not presented herein.											
	7/25/2001	8015M/8260	8,400	860	860	600	<30	71	<50	<50	***	NA	
	10/29/2001	8015M/8260	9,400	1,400		1,400	340	19	20	18	<5.0	***	<5.0
	1/30/2002	8015M/8020/8260M	4,200	1,700 ¹		NA	350	27	99	32	<5.0	<5.0, TBA < 100	<5.0
	4/29/2002	8015M/8020/8260M	5,500	2,000 ¹		NA	210	12	190	29	<2.0	<2.0, TBA < 50	NA
GW-38 Upper-A	7/30/2002	8015M/8020/8260M	8,600	3,100 ¹		NA	150	10	52	16	<5.0	<5.0, TBA < 100	NA
	10/28/2002	8015M/8020/8260B	5,800	2,400 ¹		NA	170	40	97	48	<2.0	<2.0, TBA < 50	NA
	1/28/2003	8015M/8020/8260B	8,900	3,400 ¹		NA	280	9.7	170	20	<2.0	<2.0, TBA < 50	NA
	4/29/2003	8015M/8020/8260B	6,000	3,900 ¹		NA	180	11	97	19	<5.0	<5.0, TBA < 25	NA
	8/7/2003	8015M/8260	8,700	NA		NA	110	7.8	89	26	<5.0	<5.0, TBA < 100	NA
	11/3/2003	8015M/8260	5,500	NA		NA	100	6.5	16	7.4	<2.0	<2.0, TBA < 50	NA
	1/27/2004	8015M/8260B	5,900	NA		NA	290	8.5	100	15	<5.0	<5.0, TBA < 100	NA
	5/28/2004	5030/8015M/8260B	4,200	NA		NA	100	6.7	82	10	<5.0	<5.0, TBA < 100	NA
	5/10/2005	5030/8015M/8260B	6,100	2,500 ¹	<200	NA	180	9.8	85	14	<5.0	isopropyl benzene=98, n-propyl benzene=270, sec-butylbenzene=19, n-butylbenzene=31, naphthalene=110, <5.0, TBA <120	NA
	1998	Monitoring wells were sampled for four quarters in 1998 by EnviroNet Consultants. Due to questions by the NCRWQCB about the quality of the data, EnviroNet's data is not presented herein.											
GW-38 Upper-A	7/22/1988		1,900	NA		<50	340	19	39	59	NA	NA	<0.5
	10/11/1988		3,900	NA		<500	800	42	330	150	NA	NA	NA
	1/13/1989		1,700	NA		NA	23	6.40	6.3	23	NA	NA	NA
	4/13/1989		780	NA		NA	27	4.1	2.0	16	NA	NA	NA
	7/20/1989		3,000	NA		NA	15	<0.5	23	<0.5	NA	NA	NA
	1998	Monitoring wells were sampled for four quarters in 1998 by EnviroNet Consultants. Due to questions by the NCRWQCB about the quality of the data, EnviroNet's data is not presented herein.											
	7/25/2001	8015M/8260	310	<50		<50	<0.30	0.87	7.7	0.6	<0.50	***	NA
	10/29/2001	8015M/8260	<50	<50		<50	<0.30	<0.30	<0.50	<0.50	<0.50	***	<0.50
	1/30/2002	8015M/8020/8260M	340	130 ¹		NA	2.4	1.2	9.6	2.0	<1.0	<1.0, TBA < 25	<1.0
	4/29/2002	8015M/8020/8260M	1,100	400 ¹		NA	<1.0	<1.0	5.2	<1.0	<1.0	<1.0, TBA < 25	NA
GW-39	7/30/2002	8015M/8020/8260M	500	230 ¹		NA	<1.0	<1.0	2.7	<1.0	<1.0	<1.0, TBA < 25	NA
	10/28/2002	8015M/8020/8260B	500	130 ¹		NA	4.9	3.2	6.1	2.4	<1.0	<1.0, TBA < 25	NA
	1/28/2003	8015M/8020/8260B	400	180 ¹		NA	<1.0	<1.0	3.9	<1.0	<1.0	<1.0, TBA < 25	NA
	4/29/2003	8015M/8020/8260B	180	130 ¹		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA < 25	NA
	8/7/2003	8015M/8260	450	NA		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA < 25	NA
	11/3/2003	8015M/8260	<50	NA		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA < 25	NA
	1/27/2004	8015M/8260B	61	NA		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA < 25	NA
	5/28/2004	5030/8015M/8260B	<50	NA		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA < 25	NA
	5/10/2005	5030/8015M/8260B	<50	<200		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA < 25	NA
	1998	Monitoring wells were sampled for four quarters in 1998 by EnviroNet Consultants. Due to questions by the NCRWQCB about the quality of the data, EnviroNet's data is not presented herein.											
GW-39	7/22/1988		<50	NA		<50	<0.5	<0.5	<0.5	<0.5	NA	NA	<0.5
	10/11/1988		60	NA		<50	3.2	0.7	<0.5	0.7	NA	NA	NA
	1/1/1989		<50	NA		NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA
	4/11/1989		<50	NA		NA	<0.5	<0.5	<1.5	<1.5	NA	NA	NA
	7/20/1989		<100	NA		NA	0.8	<0.5	<0.5	<0.5	NA	NA	NA
	1998	Monitoring wells were sampled for four quarters in 1998 by EnviroNet Consultants. Due to questions by the NCRWQCB about the quality of the data, EnviroNet's data is not presented herein.											
	10/28/2002	8015M/8020/8260B	<50	<50		NA	<0.5	<0.5	<0.5	<1.5	<1.0	<1.0, TBA < 25	NA
GW-39	1/28/2003	8015M/8020/8260B	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA < 25	NA
	4/29/2003	8015M/8020/8260B	<50	<50		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA < 25	NA
	8/7/2003	8015M/8260	<50	NA		NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0, TBA < 25	NA
	11/3/2003	5030/8015M/8260B	<50	<200		NA	<1.0	3.5	<1.0	3.0	<1.0	<1.0, TBA < 25	NA
	5/10/2005	Not sampled											

Table 4. Groundwater Sample Analyses Results

Former Mead Clark Lumber Company
Third and Railroad Streets, Santa Rosa, California

Well ID	Date Sampled	Analytic Methods	TPH-G	TPH-D	TPH-MO	TPH-K	B	T	E	X	MTBE	Other Volatile Hydrocarbons	1,2-DCA
			ug/L										
MW-1	7/25/01 thru 11/3/03												
DPE-1	11/3/2003	8015M/8260	13,000	NA		NA	400	16	310	72	<10	<10, TBA <250	NA
	1/27/2004	8015M/8260B	8,400	NA		NA	100	<10	290	30	<10	<10, TBA <250	NA
	5/28/2004	5030/8015M/8260B	16,000	NA		NA	120	<10	160	15	<10	<10, TBA <250	NA
	5/10/2005	5030/8015M/8260B	8,700	5,200 ¹	<200	NA	37	<5.0	150	9.0	<5.0	isopropyl benzene=130, n-propyl benzene=340, 1,3,5-trimethylbenzene=5.4, sec-butylbenzene=26, p-isopropyltoluene=6.7, n-butylbenzene=37, naphthalene=94, <5.0, TBA <120	NA
DPE-2	1/27/2004	8015M/8260B	9,000	NA		NA	210	6.2	590	42	<5.0	<5.0, TBA <100	NA
	5/10/2005	5030/8015M/8260B	8,600	6,200 ¹	<200	NA	130	5.6	310	33	<5.0	isopropyl benzene=140, n-propyl benzene=370, 1,3,5-trimethylbenzene=15, tert-butylbenzene=6.8, 1,2,4-trimethylbenzene=16, sec-butylbenzene=26, p-isopropyltoluene=9.2, n-butylbenzene=49, naphthalene=420, <5.0, TBA <120	NA
DPE-3	11/3/2003	8015M/8260	29,000	NA		NA	220	7.7	20	7.2	<5.0	<5.0, TBA <100	NA
	1/27/2004	8015M/8260B	14,000	NA		NA	310	8.5	77	16	<5.0	<5.0, TBA <100	NA
	5/10/2005	5030/8015M/8260B	7,300	3,200 ¹	<200	NA	240	9.9	81	15	<5.0	isopropyl benzene=100, n-propyl benzene=290, tert-butylbenzene=7.2, 1,2,4-trimethylbenzene=5.3, sec-butylbenzene=22, n-butylbenzene=40, naphthalene=110, <5.0, TBA <120	NA
DPE-4												isopropyl benzene=38, n-propyl benzene=110, 1,3,5-trimethylbenzene=6.1, 1,2,4-trimethylbenzene=4.5, sec-butylbenzene=19, p-isopropyltoluene=2.7, n-butylbenzene=22, naphthalene=16, <1.0, TBA <25	NA
	5/10/2005	5030/8015M/8260B	3,400	1,400 ¹	<200	NA	1.5	1.1	49	8.9	<1.0	isopropyl benzene=48, n-propyl benzene=140, 1,3,5-trimethylbenzene=6.0, 1,2,4-trimethylbenzene=8.9, sec-butylbenzene=19, p-isopropyltoluene=2.6, n-butylbenzene=23, naphthalene=16, <1.0, TBA <25	NA
DPW-5	1/27/2004	8015M/8260B	6,000	NA		NA	13	4.3	310	110	<2.0	<2.0, TBA <50	NA
	5/10/2005	5030/8015M/8260B	4,300	1,700 ¹	<200	NA	4.4	1.4	47	17	<1.0	isopropyl benzene=48, n-propyl benzene=140, 1,3,5-trimethylbenzene=6.0, 1,2,4-trimethylbenzene=8.9, sec-butylbenzene=19, p-isopropyltoluene=2.6, n-butylbenzene=23, naphthalene=16, <1.0, TBA <25	NA
DPE-6	1/27/2004	8015M/8260B	11,000	NA		NA	46	<20	210	100	<20	<20, TBA <500	NA
	5/10/2005	5030/8015M/8260B	1,900	1,100 ¹	<200	NA	11	1.4	27	12	<1.0	isopropyl benzene=20, n-propyl benzene=56, 1,3,5-trimethylbenzene=3.3, tert-butylbenzene=1.2, 1,2,4-trimethylbenzene=11, sec-butylbenzene=11, n-butylbenzene=12, naphthalene=5.9, <1.0, TBA <25	NA
DPE-7	5/10/2005	5030/8015M/8260B	650	350 ¹	<200	NA	1.0	<1.0	<1.0	<1.0	<1.0	isopropyl benzene=10, n-propyl benzene=13, sec-butylbenzene=6.4, n-butylbenzene=1.8, <1.0, TBA <25	NA

Table 4. Groundwater Sample Analyses Results

Former Mead Clark Lumber Company
Third and Railroad Streets, Santa Rosa, California

Well ID	Date Sampled	Analytic Methods	TPH-G	TPH-D	TPH-MO	TPH-K	B	T	E	X	MTBE	Other Volatile Hydrocarbons	1,2-DCA
			ug/L										
DPE-8	5/10/2005	5030/8015M/8260B	2,200	1,900 ¹	<200	NA	37	<1.0	39	1.9	<1.0	isopropyl benzene=33, n-propyl benzene=80, tert-butylbenzene=2.7, 1,2,4-trimethylbenzene=1.2, sec-butylbenzene=13, n-butylbenzene=12, naphthalene=8.4, <1.0, TBA <25	
DPE-9	11/3/2003	8015M/8260	18,000	NA		NA	220	11	600	231	<10	<10, TBA <250	NA
	1/27/2004	8015M/8260B	9,800	NA		NA	100	<10	360	90	<10	<10, TBA <250	NA
	5/28/2004	8015M/8020	78,000	NA		NA	870	410	2,400	1,700	NA	NA	NA
	5/10/2005	5030/8015M/8020B	35,000	27,000 ¹	<2,000	NA	19	<10	220	28	<10	isopropyl benzene=61, n-propyl benzene=180, 1,3,5-trimethylbenzene=22, 1,2,4-trimethylbenzene=55, sec-butylbenzene=17, n-butylbenzene=39, naphthalene=140, <10, TBA <250	NA
Trip Blank	7/25/2001	8260/8020	<50	NA		NA	<0.30	<0.30	<0.50	<0.50	NA	NA	NA
	10/29/2001	8015/8020	58	NA		NA	<0.30	1.2	0.95	6.3	NA	NA	NA
	1/30/2002	NA	---	---		---	---	---	---	---	---	---	---
	4/29/2002	8015M/8020/8260M	<50	NA		NA	<0.5	<0.5	<0.5	<1.5	NA	NA	NA
	7/30/2002	8015M/8020/8260M	<50	NA		NA	<0.5	<0.5	<0.5	<1.5	NA	NA	NA
	10/28/2002	8015M/8020	<50	NA		NA	<0.5	<0.5	<0.5	<1.5	NA	NA	NA
	1/28/2003	8015M/8020	<50	NA		NA	<0.5	<0.5	<0.5	<1.5	NA	NA	NA
	4/29/2003	8015M/8020	<50	NA		NA	<0.5	<0.5	<0.5	<1.5	NA	NA	NA
	8/7/2003	8015M/8020	<50	NA		NA	<0.5	<0.5	<0.5	<1.5	NA	NA	NA
	11/3/2003	8015M/8020	<50	NA		NA	<0.5	<0.5	<0.5	<1.5	NA	NA	NA
	1/27/2004	8015M/8260B	<50	NA		NA	<0.5	<0.5	<0.5	<1.5	NA	NA	NA
	5/28/2004	8015M/8020	<50	NA		NA	<0.5	<0.5	<0.5	<1.5	NA	NA	NA

ABBREVIATIONS:

NA = Not analyzed
ND = Not detected above laboratory detection limits
TPH-G = Total petroleum hydrocarbons as gasoline
TPH-D = Total petroleum hydrocarbons as diesel
TPH-MO = Total petroleum hydrocarbons as diesel
TPH-K = Total petroleum hydrocarbons as motor oil
B = Benzene
T = Toluene
E = Ethyl benzene
X = Total xylenes
MTBE = Methyl tert-butyl ether
1,2-DCA = 1,2-Dichloroethane

NOTES:

* = Duplicate Sample
** = MTBE analyzed by EPA Method 8260
*** = Please reference groundwater monitoring reports for detection limits.
¹ = The sample does not exhibit a chromatographic pattern characteristic of diesel. Higher boiling point constituents of weathered gasoline are present.
² = The sample exhibits a pattern most similar to weathered gasoline. The result is elevated for this sample due to a floating sheen analyzed in the extraction of the 1 liter container compared to analyzing only the subsurface dissolved-phase in the TPH-G analysis.
³ = The laboratory report notes that a floating product sheen may have positively impacted the result.
⁴ = Silica gel cleanup was utilized for this sample prior to analysis.

Table 5. Additional Groundwater Analytical Results

Former Mead Clark Lumber Company
Third and Railroad Streets, Santa Rosa, California

Sample ID	Sample Date	Hexavalent Chromium ^a	Bromate ^b	Bromide	Molybdenum	Selenium	Vanadium
		EPA 7196A	EPA 300 (IC)		EPA 6010/200.9		
		mg/L					
GW-1	5/10/05	<0.005	<0.015	<0.020	<0.05	<0.005	<0.05
GW-2	5/10/05	<0.005	<0.015	<0.020	<0.05	<0.005	<0.05
DPE-1	5/10/05	<0.005	<0.015	<0.020	<0.05	<0.005	<0.05
DPE-2	5/10/05	<0.005	<0.015	<0.020	<0.05	<0.005	<0.05
DPE-3	5/10/05	<0.005	<0.015	<0.020	<0.05	<0.005	<0.05
DPE-5	5/10/05	<0.005	<0.015	<0.020	<0.05	<0.005	<0.05
DPE-7	5/10/05	<0.005	<0.015	<0.020	<0.05	<0.005	<0.05
DPE-8	5/10/05	<0.005	<0.015	<0.020	<0.05	<0.005	<0.05
DPE-9	5/10/05	<0.005	<0.015	<0.020	<0.05	<0.005	<0.05

Abbreviations:

mg/L = milligrams per liter (ppm)

Notes:

a = The specific analysis for hexavalent chromium performed within 24 hours yielded a detection limit of 0.010 mg/L. Subsequent and separate analysis for total chromium using Zeeman graphite furnace (EPA 200.9) resulted in no detection of chromium at a detection limit below 0.005 mg/L. Hexavalent chromium is not present at a level above

b = The sample required a dilution due to a sample matrix interference. The dilution resulted in a slight increase in the reported detection limit.

Appendix A
Agency Correspondence



California Regional Water Quality Control Board
North Coast Region
William R. Massey, Chairman



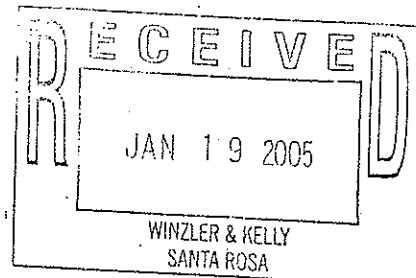
Alan C. Lloyd, Ph.D.
Agency Secretary

<http://www.waterboards.ca.gov/>
5550 Skylane Boulevard, Suite A, Santa Rosa, California 95403
Phone: 1 (877) 721-9203 (toll free) • Office: (707) 576-2220 • FAX: (707) 523-0135

Arnold
Schwarzenegger
Governor

January 18, 2005

COPY



Mr. Jean Destruel
c/o Mr. Kevin Destruel
Mead Clark Lumber Company
P.O. Box 529
Santa Rosa, CA 95402

Dear Mr. Destruel:

Subject: Waste Discharge Requirements for Hydrogen Peroxide Injection

File: Mead Clark Lumber Company, Third Street, Santa Rosa - Case No. 1TSR016

Regional Water Board staff has reviewed the December 9, 2004, *Remedial Action Plan Addendum #1*, prepared by Winzler & Kelly for the former Mead Clark Lumber Company site at 175 Railroad Avenue in Santa Rosa. The addendum proposes a change in the final corrective action method from oxygen and nutrient injections for enhanced bioremediation to ozone sparging and hydrogen peroxide injections for chemical oxidation.

Nutrient injections and hydrogen peroxide injections are regulated by the same permit, which is General Waste Discharge Requirements Order No.R1-2004-0021 (*In Situ, Bioremediation of Petroleum Hydrocarbons By The Addition of Nutrients, Microorganisms, and/or An Oxygen source To Groundwater and/or Soil*). Therefore, you only need to complete the Report of Waste Discharge by submitting the remaining portion of the filing fee, which is \$984.20.

A new 30-day public notice period must be completed to reflect the change in cleanup methods. Therefore, I have attached a revised public notice announcement, which will be posted on the Regional Water Board web page for a 30-day public comment period. It is your responsibility to post the notice at the site in prominent locations, and distribute the notice to contiguous property owners/business operators and interested parties.

Ozone sparging does not require a permit from our agency. However, baseline parameters must be determined prior to the onset of ozone injection, which are also monitored for during and after project completion. The parameters include dissolved oxygen, ORP, temperature, pH, bromide, bromate, dissolved hexavalent chromium, dissolved vanadium, dissolved selenium and dissolved molybdenum. The dissolved oxygen, pH, and ORP shall be measured in the field. The laboratory-reporting limit for hexavalent chromium and bromate should be no higher than 5 and 10 ug/l, respectively.

California Environmental Protection Agency

Mr. Destruel

-2-

January 18, 2005

By copy of this letter, I have notified Sonoma County Environmental Health Services to enable the processing of your drilling permits for the ozone system installation and the two additional shallow groundwater-monitoring wells, proposed for installation in the March 2003 *Remedial Action Plan System Design* document. Please inquire with the Santa Rosa Fire Department and Community Development Departments regarding local agency permit requirements, if any, associated with the installation of the treatment system.

I look forward to receipt of the remaining filing fee and documentation regarding the public notice requirements in the near future. At that time, we will provide you with a copy of the General Waste Discharge Requirements Order No. R1-2004-0021 and a site specific Monitoring & Reporting Program for ground and surface water.

If you have any questions I can be reached at (707) 576-2675.

Sincerely,



Joan Fleck
Engineering Geologist

JEF:clh/-11805_JEF_MeadclarkWDRTrans.

Enclosure – Public Notice

cc: Ms. Andrea Jensen, Santa Rosa Fire Department, 955 Sonoma Avenue,
Santa Rosa, CA 95404
Mr. Brian Wingard, Winzler & Kelly, 495 Tesconi Circle, Santa Rosa, CA 95401-4696

**California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, California, 95403
(707) 576-2220**

**NOTICE OF CONSIDERATION OF
EXTENSION OF COVERAGE UNDER ORDER No. R1-2004-0021**

GENERAL WASTE DISCHARGE REQUIREMENTS

FOR

**IN SITU, BIOREMEDIATION OF PETROLEUM HYDROCARBONS
BY THE ADDITION OF NUTRIENTS, MICROORGANISMS, AND/OR OXYGEN SOURCE TO
GROUNDWATER AND/OR SOIL**

Mead Clark Lumber Company
(former)
175 Railroad Avenue
Santa Rosa

Sonoma County

The California Regional Water Quality Control Board, North Coast Region is considering the extension of coverage under General Waster Discharge Requirements Order No. R1-2004-0021 for the injection of hydrogen peroxide and the *in situ* chemical oxidation of petroleum hydrocarbons at 175 Railroad Avenue in Santa Rosa, California. A 500-gallon underground tank used to store gasoline was removed from the site in 1985. Soil remediation was conducted in 1988 with the removal of approximately 3,800 cubic yards of soil. The extent of groundwater impact has been defined. Dual-phase soil vapor/groundwater extraction was conducted over a 39-day period with the removal of 3,290 pounds of vapor and dissolved phase petroleum hydrocarbons. The final corrective action plan proposes ozone sparging with hydrogen peroxide injections.

The discharger and other interested persons may call Joan Fleck at (707) 576-2675 or submit comments to her attention at the Regional Board office at 5550 Skylan Boulevard, Suite A, Santa Rosa, CA 95403. General WDRs Order No. R1-2004-0021, related documents, and comments received are on file and may be inspected or copied at the Regional Board office on Mondays from 1:30 to 4:30, Tuesday through Thursday from 8:30 to 11:30 a.m. and 1:30 to 4:30 p.m., and Fridays from 8:30 to 11:30 a.m. Appointments are recommended for file review and can be made by calling (707) 576-2220. The public comment period will be completed 30-days from the issuance of this notice.

Catherine E. Kuhlman
Executive Officer

January 18, 2005

Appendix B
Site-Specific Field Procedures

WINZLER & KELLY CONSULTING ENGINEERS

Site-Specific Groundwater Sampling Procedures Former Mead Clark Lumber Site Third and Railroad Streets, Santa Rosa, California May 10, 2005

1. Objective

Collect representative water level data and groundwater samples.

2. Background

Based on the analytical results of the previous quarterly sampling event, field work proceeded from the monitoring wells in which the samples collected had the lowest concentrations of constituents to the wells that had the highest concentrations of constituents.

Water levels were measured to determine the groundwater flow gradient and flow direction. Representative groundwater samples from the water-bearing zone were obtained using disposable polyethylene bailers after purging.

3. Personnel Required and Responsibilities

Blaine Tech Services Field Technician: The technician performed water level measurements and purging activities in accordance with the procedures outlined below.

Winzler & Kelly Technician: The technician performed sample collection in accordance with the procedures outlined below.

4. Procedures

4a. Decontamination Procedures

- The water level meter and pumps were decontaminated using a steam cleaner upon arriving at the site. The oil/water interface meter was decontaminated using alconox soap and potable water.
- The meters and pumps were decontaminated following use in each well.
- Nitrile gloves were worn by the technicians when handling equipment and instruments and changed after each use.

4b. Groundwater Elevations

- Each monitoring well was opened and the expandable caps were removed.
- Each well was allowed to equilibrate to atmospheric pressure for a minimum of 20 minutes.

- An oil/water interface meter was used to check for free product in dual-phase extraction well DPE-9.
- A water level meter was used to measure the depth-to-groundwater in groundwater monitoring wells.
- The depth, time, and visual observations regarding well access, condition, security, etc., were recorded on the water level data sheet.

4c. DO Concentrations

- The membrane on the YSI Model 55 DO meter was checked for the presence of bubbles and wrinkles, neither of which was observed.
- The meter was calibrated in the field prior to collecting measurements.
- Using the calibrated YSI Model 55 DO Meter, DO concentrations were measured in each monitoring well.

4d. Purging

- The meters used to measure indicator parameters were calibrated prior to sampling.
- The volume of standing water in each monitoring well was calculated using the measured depth-to-water and historic depth-to-bottom. The volume was recorded on the Well Sampling Data Sheet for each well.
- Each well sampled was purged of three well volumes using a down-hole 3-inch electric submersible pump attached to plastic tubing, unless the well dewatered before such a volume was purged.
- Conductivity, pH, turbidity, temperature, and ORP were monitored at each well casing interval throughout the purging process.
- The time, readings, and visual comments were recorded on the Well Sampling Data Sheet.
- Purge water will be transferred to a 2,000-gallon tank secured on site.

4e. Groundwater Sample Collection

- Groundwater samples were collected by lowering previously unused, disposable, polyethylene, bottom-filling bailers into the well after the water level had recharged to at least 80 percent.
- When completely full, the bailer was carefully retracted from the well casing.
- The groundwater from each well sampled was transferred from the bailer into the appropriate sampling containers.
- Upon filling, each vial was immediately capped. The vial was checked for air bubbles by inverting and gently tapping the vial. If any bubbles were visible, the vial was refilled and confirmed to be free of any air bubbles.
- All samples were labeled with the following information:

Sample ID	Date and Time Sample Collected
Location	Sampler's Initials
Project Number	
- Sample information was documented on a chain-of-custody form.
- All samples were placed in an ice chest, chilled with ice.
- Upon completion of the sampling activities, each well was closed and secured by replacing the well cap and securing the lock.

5. Equipment Used:

- Disposable gloves
- Potable water
- Alconox soap
- Scrub brushes
- Tools to open wells
- Keys to wells
- Water Level Data Form
- Well Sampling Data Sheet
- Chain-of-Custody Form
- Water level meter
- Oil / Water Interface Meter
- 3-inch electric submersible pump
- 1.75-inch positive displacement pump
- Ultrameter 6P
- YSI Model 55 DO Meter
- Turbidity Meter
- Disposable bailers (previously unused)
- Monofilament nylon line (50-lb test)
- Scissors
- Sample containers (preserved, as required) - provided by the laboratory
- Sample labels
- Ice chest
- Ice
- Labels / Indelible marker
- Trash bags
- 2,000-gallon storage tank
- Ziploc bags
- Nitrile Gloves

Appendix C
Analytical Laboratory Report



Report Date: June 8, 2005

Pon Xayasaeng
Winzler & Kelly Consulting Engineers
495 Tesconi Circle, Suite 9
Santa Rosa, CA 95401-4696

LABORATORY REPORT

Project Name: **Former Mead Clark Lumber** **0242505001.32002**

Lab Project Number: **5051101**

This 65 page report of analytical data has been reviewed and approved for release.

Mark A. Valentini, Ph.D.
Laboratory Director



TPH Gasoline in Water

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29726	GW-14	TPH/Gasoline	ND	50
29727	GW-15	TPH/Gasoline	ND	50
29728	GW-16	TPH/Gasoline	ND	50
29729	GW-39	TPH/Gasoline	ND	50
29730	GW-13A	TPH/Gasoline	98	50
29731	GW-18	TPH/Gasoline	ND	50
29732	GW-31	TPH/Gasoline	ND	50
29733	GW-38	TPH/Gasoline	ND	50
29734	GW-1	TPH/Gasoline	4,300	500
29735	GW-2	TPH/Gasoline	31,000	1,000
29736	GW-7	TPH/Gasoline	5,300	500
29737	GW-37	TPH/Gasoline	6,100	250
29738	GW-12	TPH/Gasoline	8,000	500
29739	DPE-1	TPH/Gasoline	8,700	500
29740	DPE-2	TPH/Gasoline	8,600	500
29741	DPE-3	TPH/Gasoline	7,300	500
29742	DPE-4	TPH/Gasoline	3,400	500
29743	DPE-5	TPH/Gasoline	4,300	500
29744	DPE-6	TPH/Gasoline	1,900	50
29745	DPE-7	TPH/Gasoline	650	50
29746	DPE-8	TPH/Gasoline	2,200	50
29747	DPE-9	TPH/Gasoline	35,000	500

Date Sampled: 05/10/05
Date Received: 05/10/05

Date Analyzed: 05/13/05
Method: EPA 5030/8015M

QC Batch #: 5524



TPH Diesel & Motor Oil in Water

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29726	GW-14	TPH/Diesel Motor Oil	ND	50
			ND	200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29727	GW-15	TPH/Diesel Motor Oil	ND	50
			ND	200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29728	GW-16	TPH/Diesel Motor Oil	ND	50
			ND	200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29729	GW-39	TPH/Diesel Motor Oil	ND	50
			ND	200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M



Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29730	GW-13A	TPH/Diesel Motor Oil	ND ND	50 200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29731	GW-18	TPH/Diesel Motor Oil	ND ND	50 200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29732	GW-31	TPH/Diesel Motor Oil	ND ND	50 200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29733	GW-38	TPH/Diesel Motor Oil	ND ND	50 200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M



Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29734	GW-1	TPH/Diesel Motor Oil	14,000 (1,2) ND	500 2,000

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M/silica gel

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29735	GW-2	TPH/Diesel Motor Oil	21,000 (1,2) ND	500 2,000

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M/silica gel

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29736	GW-7	TPH/Diesel Motor Oil	4,900 (2) ND	50 200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29737	GW-37	TPH/Diesel Motor Oil	2,500 (2) ND	50 200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M



Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29738	GW-12	TPH/Diesel Motor Oil	4,700 (2) ND	50 200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29739	DPE-1	TPH/Diesel Motor Oil	5,200 (2) ND	50 200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29740	DPE-2	TPH/Diesel Motor Oil	6,200 (2) ND	100 200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29741	DPE-3	TPH/Diesel Motor Oil	3,200 (2) ND	50 200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M



Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29742	DPE-4	TPH/Diesel Motor Oil	1,400 (2) ND	50 200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29743	DPE-5	TPH/Diesel Motor Oil	1,700 (2) ND	50 200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29744	DPE-6	TPH/Diesel Motor Oil	1,100 (2) ND	50 200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29745	DPE-7	TPH/Diesel Motor Oil	350 (2) ND	50 200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M



Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29746	DPE-8	TPH/Diesel Motor Oil	1,900 (2) ND	50 200

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29747	DPE-9	TPH/Diesel Motor Oil	27,000 (2) ND	500 2,000

Date Sampled: 05/10/05	Date Extracted: 05/12/05	QC Batch #: 5525
Date Received: 05/10/05	Date Analyzed: 05/12/05	Method: EPA 3510/8015M

(1) Silica gel cleanup was utilized for this sample prior to analysis.

(2) The sample chromatogram does not exhibit a pattern characteristic of diesel. Higher boiling point constituents of weathered gasoline are present.



Volatile Hydrocarbons by GC/MS in Water

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29726	GW-14	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromoform (THM2)	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	ND	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	ND	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	ND	1.0
		m,p-xylene	ND	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29726	GW-14	isopropyl benzene	ND	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	ND	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	ND	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	ND	1.0
		sec-butylbenzene	ND	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	ND	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	ND	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.6	108	70 – 130
toluene-d ₈ (20)	19.9	99.5	70 – 130
4-bromofluorobenzene (20)	20.0	20.0	70 – 130

Date Sampled: 05/10/05	Date Analyzed: 05/13/05	QC Batch #: 5527
Date Received: 05/10/05	Method: EPA 8260B	



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29727	GW-15	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromoform (THM2)	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	ND	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM3)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	ND	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM4)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	ND	1.0
		m,p-xylene	ND	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM5)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29727	GW-15	isopropyl benzene	ND	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	ND	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	ND	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	ND	1.0
		sec-butylbenzene	ND	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	ND	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	ND	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.6	108	70 – 130
toluene-d ₈ (20)	20.2	101	70 – 130
4-bromofluorobenzene (20)	20.1	101	70 – 130

Date Sampled: 05/10/05	Date Analyzed: 05/13/05	QC Batch #: 5527
Date Received: 05/10/05	Method: EPA 8260B	



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29728	GW-16	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromoform (THM2)	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	ND	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM3)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	ND	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM4)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	ND	1.0
		m,p-xylene	ND	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM5)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29728	GW-16	isopropyl benzene	ND	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	ND	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	ND	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	ND	1.0
		sec-butylbenzene	ND	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	ND	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	ND	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.8	109	70 – 130
toluene-d ₈ (20)	20.1	101	70 – 130
4-bromofluorobenzene (20)	19.8	99.0	70 – 130

Date Sampled: 05/10/05	Date Analyzed: 05/13/05	QC Batch #: 5527
Date Received: 05/10/05	Method: EPA 8260B	



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29729	GW-39	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	ND	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	3.5	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	ND	1.0
		m,p-xylene	3.0	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29729	GW-39	isopropyl benzene	ND	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	ND	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	ND	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	ND	1.0
		sec-butylbenzene	ND	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	ND	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	ND	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.4	107	70 – 130
toluene-d ₈ (20)	20.7	104	70 – 130
4-bromofluorobenzene (20)	19.8	99.0	70 – 130

Date Sampled: 05/10/05	Date Analyzed: 05/13/05	QC Batch #: 5527
Date Received: 05/10/05	Method: EPA 8260B	



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29730	GW-13A	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	ND	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	ND	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	ND	1.0
		m,p-xylene	ND	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29730	GW-13A	isopropyl benzene	1.2	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	3.7	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	ND	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	ND	1.0
		sec-butylbenzene	ND	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	ND	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	ND	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.5	108	70 – 130
toluene-d ₈ (20)	20.4	102	70 – 130
4-bromofluorobenzene (20)	20.0	100	70 – 130

Date Sampled: 05/10/05	Date Analyzed: 05/13/05	QC Batch #: 5527
Date Received: 05/10/05	Method: EPA 8260B	



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29731	GW-18	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	ND	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	ND	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	ND	1.0
		m,p-xylene	ND	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29731	GW-18	isopropyl benzene	ND	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	ND	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	ND	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	ND	1.0
		sec-butylbenzene	ND	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	ND	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	ND	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	19.3	96.5	70 – 130
toluene-d ₈ (20)	20.4	102	70 – 130
4-bromofluorobenzene (20)	20.1	101	70 – 130

Date Sampled: 05/10/05	Date Analyzed: 05/14/05	QC Batch #: 5527
Date Received: 05/10/05	Method: EPA 8260B	



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29732	GW-31	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	7.0	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	ND	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	ND	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	ND	1.0
		m,p-xylene	ND	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29732	GW-31	isopropyl benzene	ND	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	ND	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	ND	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	ND	1.0
		sec-butylbenzene	ND	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	ND	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	ND	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	2.6	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.5	108	70 – 130
toluene-d ₈ (20)	20.1	101	70 – 130
4-bromofluorobenzene (20)	20.5	103	70 – 130

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Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29733	GW-38	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	ND	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	ND	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	ND	1.0
		m,p-xylene	ND	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29733	GW-38	isopropyl benzene	ND	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	ND	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	ND	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	ND	1.0
		sec-butylbenzene	ND	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	ND	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	ND	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	22.2	111	70 – 130
toluene-d ₈ (20)	20.4	102	70 – 130
4-bromofluorobenzene (20)	19.9	99.5	70 – 130

Date Sampled: 05/10/05	Date Analyzed: 05/14/05	QC Batch #: 5527
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Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29734	GW-1	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	1.6	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	1.2	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	93	1.0
		m,p-xylene	20	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29734	GW-1	isopropyl benzene	48	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	170	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	11	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	13	1.0
		sec-butylbenzene	21	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	4.3	1.0
		n-butylbenzene	41	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	35	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.4	102	70 – 130
toluene-d ₈ (20)	19.3	96.5	70 – 130
4-bromofluorobenzene (20)	20.3	102	70 – 130

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Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29735	GW-2	dichlorodifluoromethane	ND	10
		chloromethane	ND	10
		vinyl chloride	ND	10
		chloroethane	ND	10
		bromomethane	ND	10
		trichlorofluoromethane	ND	10
		1,1-dichloroethene (1,1-DCE)	ND	10
		methylene chloride	ND	10
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	10
		1,1-dichloroethane (1,1-DCA)	ND	10
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	10
		2,2-dichloropropane	ND	10
		chloroform (THM1)	ND	10
		bromochloromethane	ND	10
		1,1,1-trichloroethane (TCA)	ND	10
		1,2-dichloroethane (EDC)	ND	10
		1,1-dichloropropene	ND	10
		carbon tetrachloride	ND	10
		benzene	12	10
		trichloroethene (TCE)	ND	10
		1,2-dichloropropane (DCP)	ND	10
		dibromomethane	ND	10
		bromodichloromethane (THM2)	ND	10
		cis-1,3-dichloropropene	ND	10
		toluene	ND	10
		1,1,2-trichloroethane	ND	10
		1,3-dichloropropane	ND	10
		dibromochloromethane (THM3)	ND	10
		tetrachloroethene (PCE)	ND	10
		1,2-dibromoethane (EDB)	ND	10
		chlorobenzene	ND	10
		1,1,1,2-tetrachloroethane	ND	10
		ethyl benzene	81	10
		m,p-xylene	14	10
		styrene	ND	10
		o-xylene	ND	10
		bromoform (THM4)	ND	10
		1,1,2,2-tetrachloroethane	ND	10



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29735	GW-2	isopropyl benzene	140	10
		1,2,3-trichloropropane	ND	10
		bromobenzene	ND	10
		n-propyl benzene	510	10
		2-chlorotoluene	ND	10
		4-chlorotoluene	ND	10
		1,3,5-trimethylbenzene	ND	10
		tert-butylbenzene	21	10
		1,2,4-trimethylbenzene	ND	10
		sec-butylbenzene	310	10
		1,3-dichlorobenzene	ND	10
		1,4-dichlorobenzene	ND	10
		1,2-dichlorobenzene	ND	10
		p-isopropyltoluene	25	10
		n-butylbenzene	710	10
		1,2,4-trichlorobenzene	ND	10
		naphthalene	ND	10
		hexachlorobutadiene	ND	10
		1,2,3-trichlorobenzene	ND	10

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	250
methyl tert-butyl ether (MTBE)	ND	10
di-isopropyl ether (DIPE)	ND	10
ethyl tert-butyl ether (ETBE)	ND	10
tert-amyl methyl ether (TAME)	ND	10

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.0	105	70 – 130
toluene-d ₈ (20)	19.3	96.5	70 – 130
4-bromofluorobenzene (20)	21.2	106	70 – 130

Date Sampled: 05/10/05	Date Analyzed: 05/14/05	QC Batch #: 5527
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Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29736	GW-7	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	23	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	2.0	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	80	1.0
		m,p-xylene	4.5	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29736	GW-7	isopropyl benzene	69	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	220	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	8.2	1.0
		tert-butylbenzene	1.6	1.0
		1,2,4-trimethylbenzene	6.4	1.0
		sec-butylbenzene	30	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	6.4	1.0
		n-butylbenzene	45	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	36	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.5	108	70 – 130
toluene-d ₈ (20)	20.4	102	70 – 130
4-bromofluorobenzene (20)	20.8	104	70 – 130

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Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29737	GW-37	dichlorodifluoromethane	ND	5.0
		chloromethane	ND	5.0
		vinyl chloride	ND	5.0
		chloroethane	ND	5.0
		bromomethane	ND	5.0
		trichlorofluoromethane	ND	5.0
		1,1-dichloroethene (1,1-DCE)	ND	5.0
		methylene chloride	ND	5.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	5.0
		1,1-dichloroethane (1,1-DCA)	ND	5.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	5.0
		2,2-dichloropropane	ND	5.0
		chloroform (THM1)	ND	5.0
		bromochloromethane	ND	5.0
		1,1,1-trichloroethane (TCA)	ND	5.0
		1,2-dichloroethane (EDC)	ND	5.0
		1,1-dichloropropene	ND	5.0
		carbon tetrachloride	ND	5.0
		benzene	180	5.0
		trichloroethene (TCE)	ND	5.0
		1,2-dichloropropane (DCP)	ND	5.0
		dibromomethane	ND	5.0
		bromodichloromethane (THM2)	ND	5.0
		cis-1,3-dichloropropene	ND	5.0
		toluene	9.8	5.0
		1,1,2-trichloroethane	ND	5.0
		1,3-dichloropropane	ND	5.0
		dibromochloromethane (THM3)	ND	5.0
		tetrachloroethene (PCE)	ND	5.0
		1,2-dibromoethane (EDB)	ND	5.0
		chlorobenzene	ND	5.0
		1,1,1,2-tetrachloroethane	ND	5.0
		ethyl benzene	85	5.0
		m,p-xylene	14	5.0
		styrene	ND	5.0
		o-xylene	ND	5.0
		bromoform (THM4)	ND	5.0
		1,1,2,2-tetrachloroethane	ND	5.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29737	GW-37	isopropyl benzene	98	5.0
		1,2,3-trichloropropane	ND	5.0
		bromobenzene	ND	5.0
		n-propyl benzene	270	5.0
		2-chlorotoluene	ND	5.0
		4-chlorotoluene	ND	5.0
		1,3,5-trimethylbenzene	ND	5.0
		tert-butylbenzene	ND	5.0
		1,2,4-trimethylbenzene	ND	5.0
		sec-butylbenzene	19	5.0
		1,3-dichlorobenzene	ND	5.0
		1,4-dichlorobenzene	ND	5.0
		1,2-dichlorobenzene	ND	5.0
		p-isopropyltoluene	ND	5.0
		n-butylbenzene	31	5.0
		1,2,4-trichlorobenzene	ND	5.0
		naphthalene	110	5.0
		hexachlorobutadiene	ND	5.0
		1,2,3-trichlorobenzene	ND	5.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	120
methyl tert-butyl ether (MTBE)	ND	5.0
di-isopropyl ether (DIPE)	ND	5.0
ethyl tert-butyl ether (ETBE)	ND	5.0
tert-amyl methyl ether (TAME)	ND	5.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.2	106	70 – 130
toluene-d ₈ (20)	19.7	98.5	70 – 130
4-bromofluorobenzene (20)	19.8	99.0	70 – 130

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Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29738	GW-12	dichlorodifluoromethane	ND	5.0
		chloromethane	ND	5.0
		vinyl chloride	ND	5.0
		chloroethane	ND	5.0
		bromomethane	ND	5.0
		trichlorofluoromethane	ND	5.0
		1,1-dichloroethene (1,1-DCE)	ND	5.0
		methylene chloride	ND	5.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	5.0
		1,1-dichloroethane (1,1-DCA)	ND	5.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	5.0
		2,2-dichloropropane	ND	5.0
		chloroform (THM1)	ND	5.0
		bromochloromethane	ND	5.0
		1,1,1-trichloroethane (TCA)	ND	5.0
		1,2-dichloroethane (EDC)	ND	5.0
		1,1-dichloropropene	ND	5.0
		carbon tetrachloride	ND	5.0
		benzene	140	5.0
		trichloroethene (TCE)	ND	5.0
		1,2-dichloropropane (DCP)	ND	5.0
		dibromomethane	ND	5.0
		bromodichloromethane (THM2)	ND	5.0
		cis-1,3-dichloropropene	ND	5.0
		toluene	6.5	5.0
		1,1,2-trichloroethane	ND	5.0
		1,3-dichloropropane	ND	5.0
		dibromochloromethane (THM3)	ND	5.0
		tetrachloroethene (PCE)	ND	5.0
		1,2-dibromoethane (EDB)	ND	5.0
		chlorobenzene	ND	5.0
		1,1,1,2-tetrachloroethane	ND	5.0
		ethyl benzene	240	5.0
		m,p-xylene	12	5.0
		styrene	ND	5.0
		o-xylene	ND	5.0
		bromoform (THM4)	ND	5.0
		1,1,2,2-tetrachloroethane	ND	5.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29738	GW-12	isopropyl benzene	140	5.0
		1,2,3-trichloropropane	ND	5.0
		bromobenzene	ND	5.0
		n-propyl benzene	380	5.0
		2-chlorotoluene	ND	5.0
		4-chlorotoluene	ND	5.0
		1,3,5-trimethylbenzene	6.6	5.0
		tert-butylbenzene	ND	5.0
		1,2,4-trimethylbenzene	ND	5.0
		sec-butylbenzene	29	5.0
		1,3-dichlorobenzene	ND	5.0
		1,4-dichlorobenzene	ND	5.0
		1,2-dichlorobenzene	ND	5.0
		p-isopropyltoluene	9.1	5.0
		n-butylbenzene	51	5.0
		1,2,4-trichlorobenzene	ND	5.0
		naphthalene	240	5.0
		hexachlorobutadiene	ND	5.0
		1,2,3-trichlorobenzene	ND	5.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	120
methyl tert-butyl ether (MTBE)	ND	5.0
di-isopropyl ether (DIPE)	ND	5.0
ethyl tert-butyl ether (ETBE)	ND	5.0
tert-amyl methyl ether (TAME)	ND	5.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.5	108	70 – 130
toluene-d ₈ (20)	20.0	100	70 – 130
4-bromofluorobenzene (20)	19.6	98.0	70 – 130

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Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29739	DPE-1	dichlorodifluoromethane	ND	5.0
		chloromethane	ND	5.0
		vinyl chloride	ND	5.0
		chloroethane	ND	5.0
		bromomethane	ND	5.0
		trichlorofluoromethane	ND	5.0
		1,1-dichloroethene (1,1-DCE)	ND	5.0
		methylene chloride	ND	5.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	5.0
		1,1-dichloroethane (1,1-DCA)	ND	5.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	5.0
		2,2-dichloropropane	ND	5.0
		chloroform (THM1)	ND	5.0
		bromochloromethane	ND	5.0
		1,1,1-trichloroethane (TCA)	ND	5.0
		1,2-dichloroethane (EDC)	ND	5.0
		1,1-dichloropropene	ND	5.0
		carbon tetrachloride	ND	5.0
		benzene	37	5.0
		trichloroethene (TCE)	ND	5.0
		1,2-dichloropropane (DCP)	ND	5.0
		dibromomethane	ND	5.0
		bromodichloromethane (THM2)	ND	5.0
		cis-1,3-dichloropropene	ND	5.0
		toluene	ND	5.0
		1,1,2-trichloroethane	ND	5.0
		1,3-dichloropropane	ND	5.0
		dibromochloromethane (THM3)	ND	5.0
		tetrachloroethene (PCE)	ND	5.0
		1,2-dibromoethane (EDB)	ND	5.0
		chlorobenzene	ND	5.0
		1,1,1,2-tetrachloroethane	ND	5.0
		ethyl benzene	150	5.0
		m,p-xylene	9.0	5.0
		styrene	ND	5.0
		o-xylene	ND	5.0
		bromoform (THM4)	ND	5.0
		1,1,2,2-tetrachloroethane	ND	5.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29739	DPE-1	isopropyl benzene	130	5.0
		1,2,3-trichloropropane	ND	5.0
		bromobenzene	ND	5.0
		n-propyl benzene	340	5.0
		2-chlorotoluene	ND	5.0
		4-chlorotoluene	ND	5.0
		1,3,5-trimethylbenzene	5.4	5.0
		tert-butylbenzene	ND	5.0
		1,2,4-trimethylbenzene	ND	5.0
		sec-butylbenzene	26	5.0
		1,3-dichlorobenzene	ND	5.0
		1,4-dichlorobenzene	ND	5.0
		1,2-dichlorobenzene	ND	5.0
		p-isopropyltoluene	6.7	5.0
		n-butylbenzene	37	5.0
		1,2,4-trichlorobenzene	ND	5.0
		naphthalene	94	5.0
		hexachlorobutadiene	ND	5.0
		1,2,3-trichlorobenzene	ND	5.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	120
methyl tert-butyl ether (MTBE)	ND	5.0
di-isopropyl ether (DIPE)	ND	5.0
ethyl tert-butyl ether (ETBE)	ND	5.0
tert-amyl methyl ether (TAME)	ND	5.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.5	108	70 – 130
toluene-d ₈ (20)	19.5	97.5	70 – 130
4-bromofluorobenzene (20)	21.2	106	70 – 130

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Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29740	DPE-2	dichlorodifluoromethane	ND	5.0
		chloromethane	ND	5.0
		vinyl chloride	ND	5.0
		chloroethane	ND	5.0
		bromomethane	ND	5.0
		trichlorofluoromethane	ND	5.0
		1,1-dichloroethene (1,1-DCE)	ND	5.0
		methylene chloride	ND	5.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	5.0
		1,1-dichloroethane (1,1-DCA)	ND	5.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	5.0
		2,2-dichloropropane	ND	5.0
		chloroform (THM1)	ND	5.0
		bromoform (THM2)	ND	5.0
		1,1,1-trichloroethane (TCA)	ND	5.0
		1,2-dichloroethane (EDC)	ND	5.0
		1,1-dichloropropene	ND	5.0
		carbon tetrachloride	ND	5.0
		benzene	130	5.0
		trichloroethene (TCE)	ND	5.0
		1,2-dichloropropane (DCP)	ND	5.0
		dibromomethane	ND	5.0
		bromodichloromethane (THM2)	ND	5.0
		cis-1,3-dichloropropene	ND	5.0
		toluene	5.6	5.0
		1,1,2-trichloroethane	ND	5.0
		1,3-dichloropropane	ND	5.0
		dibromochloromethane (THM3)	ND	5.0
		tetrachloroethene (PCE)	ND	5.0
		1,2-dibromoethane (EDB)	ND	5.0
		chlorobenzene	ND	5.0
		1,1,1,2-tetrachloroethane	ND	5.0
		ethyl benzene	310	5.0
		m,p-xylene	33	5.0
		styrene	ND	5.0
		o-xylene	ND	5.0
		bromoform (THM4)	ND	5.0
		1,1,2,2-tetrachloroethane	ND	5.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29740	DPE-2	isopropyl benzene	140	5.0
		1,2,3-trichloropropane	ND	5.0
		bromobenzene	ND	5.0
		n-propyl benzene	370	5.0
		2-chlorotoluene	ND	5.0
		4-chlorotoluene	ND	5.0
		1,3,5-trimethylbenzene	15	5.0
		tert-butylbenzene	6.8	5.0
		1,2,4-trimethylbenzene	16	5.0
		sec-butylbenzene	26	5.0
		1,3-dichlorobenzene	ND	5.0
		1,4-dichlorobenzene	ND	5.0
		1,2-dichlorobenzene	ND	5.0
		p-isopropyltoluene	9.2	5.0
		n-butylbenzene	49	5.0
		1,2,4-trichlorobenzene	ND	5.0
		naphthalene	420	5.0
		hexachlorobutadiene	ND	5.0
		1,2,3-trichlorobenzene	ND	5.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	120
methyl tert-butyl ether (MTBE)	ND	5.0
di-isopropyl ether (DIPE)	ND	5.0
ethyl tert-butyl ether (ETBE)	ND	5.0
tert-amyl methyl ether (TAME)	ND	5.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.2	106	70 – 130
toluene-d ₈ (20)	19.6	98.0	70 – 130
4-bromofluorobenzene (20)	20.5	103	70 – 130

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Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29741	DPE-3	dichlorodifluoromethane	ND	5.0
		chloromethane	ND	5.0
		vinyl chloride	ND	5.0
		chloroethane	ND	5.0
		bromomethane	ND	5.0
		trichlorofluoromethane	ND	5.0
		1,1-dichloroethene (1,1-DCE)	ND	5.0
		methylene chloride	ND	5.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	5.0
		1,1-dichloroethane (1,1-DCA)	ND	5.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	5.0
		2,2-dichloropropane	ND	5.0
		chloroform (THM1)	ND	5.0
		bromochloromethane	ND	5.0
		1,1,1-trichloroethane (TCA)	ND	5.0
		1,2-dichloroethane (EDC)	ND	5.0
		1,1-dichloropropene	ND	5.0
		carbon tetrachloride	ND	5.0
		benzene	240	5.0
		trichloroethene (TCE)	ND	5.0
		1,2-dichloropropane (DCP)	ND	5.0
		dibromomethane	ND	5.0
		bromodichloromethane (THM2)	ND	5.0
		cis-1,3-dichloropropene	ND	5.0
		toluene	9.9	5.0
		1,1,2-trichloroethane	ND	5.0
		1,3-dichloropropane	ND	5.0
		dibromochloromethane (THM3)	ND	5.0
		tetrachloroethene (PCE)	ND	5.0
		1,2-dibromoethane (EDB)	ND	5.0
		chlorobenzene	ND	5.0
		1,1,1,2-tetrachloroethane	ND	5.0
		ethyl benzene	81	5.0
		m,p-xylene	15	5.0
		styrene	ND	5.0
		o-xylene	ND	5.0
		bromoform (THM4)	ND	5.0
		1,1,2,2-tetrachloroethane	ND	5.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29741	DPE-3	isopropyl benzene	100	5.0
		1,2,3-trichloropropane	ND	5.0
		bromobenzene	ND	5.0
		n-propyl benzene	290	5.0
		2-chlorotoluene	ND	5.0
		4-chlorotoluene	ND	5.0
		1,3,5-trimethylbenzene	ND	5.0
		tert-butylbenzene	7.2	5.0
		1,2,4-trimethylbenzene	5.3	5.0
		sec-butylbenzene	22	5.0
		1,3-dichlorobenzene	ND	5.0
		1,4-dichlorobenzene	ND	5.0
		1,2-dichlorobenzene	ND	5.0
		p-isopropyltoluene	ND	5.0
		n-butylbenzene	40	5.0
		1,2,4-trichlorobenzene	ND	5.0
		naphthalene	110	5.0
		hexachlorobutadiene	ND	5.0
		1,2,3-trichlorobenzene	ND	5.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	120
methyl tert-butyl ether (MTBE)	ND	5.0
di-isopropyl ether (DIPE)	ND	5.0
ethyl tert-butyl ether (ETBE)	ND	5.0
tert-amyl methyl ether (TAME)	ND	5.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.2	106	70 – 130
toluene-d ₈ (20)	19.7	98.5	70 – 130
4-bromofluorobenzene (20)	19.4	97.0	70 – 130

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Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29742	DPE-4	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	1.5	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	1.1	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	49	1.0
		m,p-xylene	8.9	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29742	DPE-4	isopropyl benzene	38	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	110	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	6.1	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	4.5	1.0
		sec-butylbenzene	19	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	2.7	1.0
		n-butylbenzene	22	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	16	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.0	105	70 – 130
toluene-d ₈ (20)	20.4	102	70 – 130
4-bromofluorobenzene (20)	20.6	103	70 – 130

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Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29743	DPE-5	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromoform (THM2)	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	4.4	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	1.4	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	47	1.0
		m,p-xylene	17	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29743	DPE-5	isopropyl benzene	48	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	140	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	6.0	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	8.9	1.0
		sec-butylbenzene	19	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	2.6	1.0
		n-butylbenzene	23	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	16	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.5	108	70 – 130
toluene-d ₈ (20)	19.9	99.5	70 – 130
4-bromofluorobenzene (20)	19.8	99.0	70 – 130

Date Sampled: 05/10/05	Date Analyzed: 05/14/05	QC Batch #: 5527
Date Received: 05/10/05	Method: EPA 8260B	



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29744	DPE-6	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	11	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	1.4	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	27	1.0
		m,p-xylene	12	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29744	DPE-6	isopropyl benzene	20	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	56	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	3.3	1.0
		tert-butylbenzene	1.2	1.0
		1,2,4-trimethylbenzene	11	1.0
		sec-butylbenzene	11	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	12	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	5.9	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.9	105	70 – 130
toluene-d ₈ (20)	20.3	102	70 – 130
4-bromofluorobenzene (20)	20.5	103	70 – 130

Date Sampled: 05/10/05	Date Analyzed: 05/14/05	QC Batch #: 5527
Date Received: 05/10/05	Method: EPA 8260B	



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29745	DPE-7	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	1.0	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	ND	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	ND	1.0
		m,p-xylene	ND	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29745	DPE-7	isopropyl benzene	10	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	13	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	ND	1.0
		tert-butylbenzene	ND	1.0
		1,2,4-trimethylbenzene	ND	1.0
		sec-butylbenzene	6.4	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	1.8	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	ND	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.4	107	70 – 130
toluene-d ₈ (20)	20.2	101	70 – 130
4-bromofluorobenzene (20)	20.4	102	70 – 130

Date Sampled: 05/10/05	Date Analyzed: 05/14/05	QC Batch #: 5527
Date Received: 05/10/05	Method: EPA 8260B	



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29746	DPE-8	dichlorodifluoromethane	ND	1.0
		chloromethane	ND	1.0
		vinyl chloride	ND	1.0
		chloroethane	ND	1.0
		bromomethane	ND	1.0
		trichlorofluoromethane	ND	1.0
		1,1-dichloroethene (1,1-DCE)	ND	1.0
		methylene chloride	ND	1.0
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	1.0
		1,1-dichloroethane (1,1-DCA)	ND	1.0
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	1.0
		2,2-dichloropropane	ND	1.0
		chloroform (THM1)	ND	1.0
		bromochloromethane	ND	1.0
		1,1,1-trichloroethane (TCA)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0
		1,1-dichloropropene	ND	1.0
		carbon tetrachloride	ND	1.0
		benzene	37	1.0
		trichloroethene (TCE)	ND	1.0
		1,2-dichloropropane (DCP)	ND	1.0
		dibromomethane	ND	1.0
		bromodichloromethane (THM2)	ND	1.0
		cis-1,3-dichloropropene	ND	1.0
		toluene	ND	1.0
		1,1,2-trichloroethane	ND	1.0
		1,3-dichloropropane	ND	1.0
		dibromochloromethane (THM3)	ND	1.0
		tetrachloroethene (PCE)	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		chlorobenzene	ND	1.0
		1,1,1,2-tetrachloroethane	ND	1.0
		ethyl benzene	39	1.0
		m,p-xylene	1.9	1.0
		styrene	ND	1.0
		o-xylene	ND	1.0
		bromoform (THM4)	ND	1.0
		1,1,2,2-tetrachloroethane	ND	1.0



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29746	DPE-8	isopropyl benzene	33	1.0
		1,2,3-trichloropropane	ND	1.0
		bromobenzene	ND	1.0
		n-propyl benzene	80	1.0
		2-chlorotoluene	ND	1.0
		4-chlorotoluene	ND	1.0
		1,3,5-trimethylbenzene	ND	1.0
		tert-butylbenzene	2.7	1.0
		1,2,4-trimethylbenzene	1.2	1.0
		sec-butylbenzene	13	1.0
		1,3-dichlorobenzene	ND	1.0
		1,4-dichlorobenzene	ND	1.0
		1,2-dichlorobenzene	ND	1.0
		p-isopropyltoluene	ND	1.0
		n-butylbenzene	12	1.0
		1,2,4-trichlorobenzene	ND	1.0
		naphthalene	8.4	1.0
		hexachlorobutadiene	ND	1.0
		1,2,3-trichlorobenzene	ND	1.0

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.2	101	70 – 130
toluene-d ₈ (20)	20.2	101	70 – 130
4-bromofluorobenzene (20)	20.6	103	70 – 130

Date Sampled: 05/10/05	Date Analyzed: 05/11/05	QC Batch #: 5526
Date Received: 05/10/05	Method: EPA 8260B	



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29747	DPE-9	dichlorodifluoromethane	ND	10
		chloromethane	ND	10
		vinyl chloride	ND	10
		chloroethane	ND	10
		bromomethane	ND	10
		trichlorofluoromethane	ND	10
		1,1-dichloroethene (1,1-DCE)	ND	10
		methylene chloride	ND	10
		trans-1,2-dichloroethene (trans-1,2-DCE)	ND	10
		1,1-dichloroethane (1,1-DCA)	ND	10
		cis-1,2-dichloroethene (cis-1,2-DCE)	ND	10
		2,2-dichloropropane	ND	10
		chloroform (THM1)	ND	10
		bromochloromethane	ND	10
		1,1,1-trichloroethane (TCA)	ND	10
		1,2-dichloroethane (EDC)	ND	10
		1,1-dichloropropene	ND	10
		carbon tetrachloride	ND	10
		benzene	19	10
		trichloroethene (TCE)	ND	10
		1,2-dichloropropane (DCP)	ND	10
		dibromomethane	ND	10
		bromodichloromethane (THM2)	ND	10
		cis-1,3-dichloropropene	ND	10
		toluene	ND	10
		1,1,2-trichloroethane	ND	10
		1,3-dichloropropane	ND	10
		dibromochloromethane (THM3)	ND	10
		tetrachloroethene (PCE)	ND	10
		1,2-dibromoethane (EDB)	ND	10
		chlorobenzene	ND	10
		1,1,1,2-tetrachloroethane	ND	10
		ethyl benzene	220	10
		m,p-xylene	28	10
		styrene	ND	10
		o-xylene	ND	10
		bromoform (THM4)	ND	10
		1,1,2,2-tetrachloroethane	ND	10



Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29747	DPE-9	isopropyl benzene	61	10
		1,2,3-trichloropropane	ND	10
		bromobenzene	ND	10
		n-propyl benzene	180	10
		2-chlorotoluene	ND	10
		4-chlorotoluene	ND	10
		1,3,5-trimethylbenzene	22	10
		tert-butylbenzene	ND	10
		1,2,4-trimethylbenzene	55	10
		sec-butylbenzene	17	10
		1,3-dichlorobenzene	ND	10
		1,4-dichlorobenzene	ND	10
		1,2-dichlorobenzene	ND	10
		p-isopropyltoluene	ND	10
		n-butylbenzene	39	10
		1,2,4-trichlorobenzene	ND	10
		naphthalene	140	10
		hexachlorobutadiene	ND	10
		1,2,3-trichlorobenzene	ND	10

Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	250
methyl tert-butyl ether (MTBE)	ND	10
di-isopropyl ether (DIPE)	ND	10
ethyl tert-butyl ether (ETBE)	ND	10
tert-amyl methyl ether (TAME)	ND	10

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.5	103	70 – 130
toluene-d ₈ (20)	20.1	101	70 – 130
4-bromofluorobenzene (20)	19.9	99.5	70 – 130

Date Sampled: 05/10/05	Date Analyzed: 05/11/05, 05/12/05	QC Batch #: 5526
Date Received: 05/10/05	Method: EPA 8260B	



Hexavalent Chromium in Water

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29734	GW-1	Hexavalent Chromium (Cr+6)	ND (3)	0.005

Date Sampled:	05/10/05	Date Analyzed:	05/11/05	QC Batch #:	5528
Date Received:	05/10/05	Method:	EPA 7196A		

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29735	GW-2	Hexavalent Chromium (Cr+6)	ND (3)	0.005

Date Sampled:	05/10/05	Date Analyzed:	05/11/05	QC Batch #:	5528
Date Received:	05/10/05	Method:	EPA 7196A		

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29739	DPE-1	Hexavalent Chromium (Cr+6)	ND (3)	0.005

Date Sampled:	05/10/05	Date Analyzed:	05/11/05	QC Batch #:	5528
Date Received:	05/10/05	Method:	EPA 7196A		

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29740	DPE-2	Hexavalent Chromium (Cr+6)	ND (3)	0.005

Date Sampled:	05/10/05	Date Analyzed:	05/11/05	QC Batch #:	5528
Date Received:	05/10/05	Method:	EPA 7196A		

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29741	DPE-3	Hexavalent Chromium (Cr+6)	ND (3)	0.005

Date Sampled:	05/10/05	Date Analyzed:	05/11/05	QC Batch #:	5528
Date Received:	05/10/05	Method:	EPA 7196A		



Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29743	DPE-5	Hexavalent Chromium (Cr+6)	ND (3)	0.005

Date Sampled: 05/10/05	Date Analyzed: 05/11/05	QC Batch #: 5528
Date Received: 05/10/05	Method: EPA 7196A	

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29745	DPE-7	Hexavalent Chromium (Cr+6)	ND (3)	0.005

Date Sampled: 05/10/05	Date Analyzed: 05/11/05	QC Batch #: 5528
Date Received: 05/10/05	Method: EPA 7196A	

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29746	DPE-8	Hexavalent Chromium (Cr+6)	ND (3)	0.005

Date Sampled: 05/10/05	Date Analyzed: 05/11/05	QC Batch #: 5528
Date Received: 05/10/05	Method: EPA 7196A	

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29747	DPE-9	Hexavalent Chromium (Cr+6)	ND (3)	0.005

Date Sampled: 05/10/05	Date Analyzed: 05/11/05	QC Batch #: 5528
Date Received: 05/10/05	Method: EPA 7196A	

(3) The specific analysis for hexavalent chromium performed within 24 hours yielded a detection limit of 0.010 mg/L. Subsequent and separate analysis for total chromium using Zeeman graphite furnace (EPA 200.9) resulted in no detection of chromium at a detection limit below 0.005 mg/L. Hexavalent chromium is not present at a level above 0.005 mg/L.



Bromate and Bromide in Water

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29734	GW-1	Bromate (BrO_3^{-1})	ND (4)	0.015
		Bromide (Br^{-1})	ND	0.020

Date Sampled: 05/10/05	Date Analyzed: 05/12/05	QC Batch #: 5530
Date Received: 05/10/05	Methods: EPA 300 (IC)	

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29735	GW-2	Bromate (BrO_3^{-1})	ND (4)	0.015
		Bromide (Br^{-1})	ND	0.020

Date Sampled: 05/10/05	Date Analyzed: 05/12/05	QC Batch #: 5530
Date Received: 05/10/05	Methods: EPA 300 (IC)	

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29739	DPE-1	Bromate (BrO_3^{-1})	ND (4)	0.015
		Bromide (Br^{-1})	ND	0.020

Date Sampled: 05/10/05	Date Analyzed: 05/12/05	QC Batch #: 5530
Date Received: 05/10/05	Methods: EPA 300 (IC)	



Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29740	DPE-2	Bromate (BrO_3^{-1})	ND (4)	0.015
		Bromide (Br^{-1})	ND	0.020

Date Sampled: 05/10/05	Date Analyzed: 05/12/05	QC Batch #: 5530
Date Received: 05/10/05	Methods: EPA 300 (IC)	

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29741	DPE-3	Bromate (BrO_3^{-1})	ND (4)	0.015
		Bromide (Br^{-1})	ND	0.020

Date Sampled: 05/10/05	Date Analyzed: 05/12/05	QC Batch #: 5530
Date Received: 05/10/05	Methods: EPA 300 (IC)	

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29743	DPE-5	Bromate (BrO_3^{-1})	ND (4)	0.015
		Bromide (Br^{-1})	ND	0.020

Date Sampled: 05/10/05	Date Analyzed: 05/12/05	QC Batch #: 5530
Date Received: 05/10/05	Methods: EPA 300 (IC)	



Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29745	DPE-7	Bromate (BrO_3^{-1})	ND (4)	0.015
		Bromide (Br^{-1})	ND	0.020

Date Sampled: 05/10/05 Date Analyzed: 05/12/05 QC Batch #: 5530
Date Received: 05/10/05 Methods: EPA 300 (IC)

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29746	DPE-8	Bromate (BrO_3^{-1})	ND (4)	0.015
		Bromide (Br^{-1})	ND	0.020

Date Sampled: 05/10/05 Date Analyzed: 05/12/05 QC Batch #: 5530
Date Received: 05/10/05 Methods: EPA 300 (IC)

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29747	DPE-9	Bromate (BrO_3^{-1})	ND (4)	0.015
		Bromide (Br^{-1})	ND	0.020

Date Sampled: 05/10/05 Date Analyzed: 05/12/05 QC Batch #: 5530
Date Received: 05/10/05 Methods: EPA 300 (IC)

(4) The sample required a dilution due to a sample matrix interference. The dilution resulted in a slight increase in the reported detection limit.



Metals in Water

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29734	GW-1	Molybdenum (Mo)	ND	0.05
		Selenium (Se)	ND	0.005
		Vanadium (V)	ND	0.05

Date Sampled:	05/10/05	Date Digested:	05/12/05	QC Batch #:	5531,5537
Date Received:	05/10/05	Date Analyzed:	05/12/05		
Methods:	EPA 3010/6010, EPA 200.9				

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29735	GW-2	Molybdenum (Mo)	ND	0.05
		Selenium (Se)	ND	0.005
		Vanadium (V)	ND	0.05

Date Sampled:	05/10/05	Date Digested:	05/12/05	QC Batch #:	5531,5537
Date Received:	05/10/05	Date Analyzed:	05/12/05		
Methods:	EPA 3010/6010, EPA 200.9				

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29739	DPE-1	Molybdenum (Mo)	ND	0.05
		Selenium (Se)	ND	0.005
		Vanadium (V)	ND	0.05

Date Sampled:	05/10/05	Date Digested:	05/12/05	QC Batch #:	5531,5537
Date Received:	05/10/05	Date Analyzed:	05/12/05		
Methods:	EPA 3010/6010, EPA 200.9				



Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29740	DPE-2	Molybdenum (Mo)	ND	0.05
		Selenium (Se)	ND	0.005
		Vanadium (V)	ND	0.05

Date Sampled: 05/10/05 Date Digested: 05/12/05 QC Batch #: 5531,5537
Date Received: 05/10/05 Date Analyzed: 05/12/05
Methods: EPA 3010/6010, EPA 200.9

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29741	DPE-3	Molybdenum (Mo)	ND	0.05
		Selenium (Se)	ND	0.005
		Vanadium (V)	ND	0.05

Date Sampled: 05/10/05 Date Digested: 05/12/05 QC Batch #: 5531,5537
Date Received: 05/10/05 Date Analyzed: 05/12/05
Methods: EPA 3010/6010, EPA 200.9

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29743	DPE-5	Molybdenum (Mo)	ND	0.05
		Selenium (Se)	ND	0.005
		Vanadium (V)	ND	0.05

Date Sampled: 05/10/05 Date Digested: 05/12/05 QC Batch #: 5531,5537
Date Received: 05/10/05 Date Analyzed: 05/12/05
Methods: EPA 3010/6010, EPA 200.9



Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29745	DPE-7	Molybdenum (Mo)	ND	0.05
		Selenium (Se)	ND	0.005
		Vanadium (V)	ND	0.05

Date Sampled: 05/10/05 Date Digested: 05/12/05 QC Batch #: 5531,5537
Date Received: 05/10/05 Date Analyzed: 05/12/05
Methods: EPA 3010/6010, EPA 200.9

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29746	DPE-8	Molybdenum (Mo)	ND	0.05
		Selenium (Se)	ND	0.005
		Vanadium (V)	ND	0.05

Date Sampled: 05/10/05 Date Digested: 05/12/05 QC Batch #: 5531,5537
Date Received: 05/10/05 Date Analyzed: 05/12/05
Methods: EPA 3010/6010, EPA 200.9

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29747	DPE-9	Molybdenum (Mo)	ND	0.05
		Selenium (Se)	ND	0.005
		Vanadium (V)	ND	0.05

Date Sampled: 05/10/05 Date Digested: 05/12/05 QC Batch #: 5531,5537
Date Received: 05/10/05 Date Analyzed: 05/12/05
Methods: EPA 3010/6010, EPA 200.9



LABORATORY QUALITY ASSURANCE REPORT

QC Batch #: 5524

Lab Project #: 5051101

Sample ID	Compound	Result (ug/L)
MB	TPH/Gas	ND
MB	MTBE	ND
MB	Benzene	ND
MB	Toluene	ND
MB	Ethyl Benzene	ND
MB	Xylenes	ND

Sample #	Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.
29726	CMS	TPH/Gas		NS	
	CMS	Benzene	8.78	10.0	87.8
	CMS	Toluene	9.43	10.0	94.3
	CMS	Ethyl Benzene	9.78	10.0	97.8
	CMS	Xylenes	28.1	30.0	93.7

Sample #	Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.	RPD
29726	CMSD	TPH/Gas		NS		
	CMSD	Benzene	9.12	10.0	91.2	3.7
	CMSD	Toluene	9.42	10.0	94.2	0.07
	CMSD	Ethyl Benzene	9.74	10.0	97.4	0.46
	CMSD	Xylenes	27.9	30.0	93.2	0.53

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery



QC Batch #: 5525

Lab Project #: 5051101

Sample ID	Compound	Result (ug/L)
MB	TPH/Diesel	ND

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.
LCS	TPH/Diesel	2,200	2,730	80.8

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.	RPD
LCSD	TPH/Diesel	2,080	2,730	76.2	5.6

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery

QC Batch #: 5526/ 5527

Lab Project #: 5051101

Sample ID	Compound Name	Result (ug/L)
MB	1,1-dichloroethene	ND
MB	benzene	ND
MB	trichloroethene	ND
MB	toluene	ND
MB	chlorobenzene	ND

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.2	101	70 – 130
toluene-d ₈ (20)	19.9	99.5	70 – 130
4-bromofluorobenzene (20)	19.6	98.0	70 – 130



Sample #	Sample ID	Compound Name	Result (ug/L)	Spike Level	% Recv.
29753	CMS	1,1-dichloroethene	20.0	25.0	80.0
	CMS	benzene	22.8	25.0	91.2
	CMS	trichloroethene	22.2	25.0	88.8
	CMS	toluene	23.3	25.0	93.2
	CMS	chlorobenzene	24.0	25.0	96.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.7	104	70 – 130
toluene-d ₈ (20)	20.1	101	70 – 130
4-bromofluorobenzene (20)	19.6	98.0	70 – 130

Sample #	Sample ID	Compound Name	Result (ug/L)	Spike Level	% Recv.	RPD
29753	CMSD	1,1-dichloroethene	20.0	25.0	80.0	0.0
	CMSD	benzene	22.8	25.0	91.2	0.0
	CMSD	trichloroethene	22.2	25.0	88.8	0.0
	CMSD	toluene	23.3	25.0	93.2	0.0
	CMSD	chlorobenzene	23.8	25.0	95.2	0.84

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	20.6	103	70 – 130
toluene-d ₈ (20)	19.9	99.5	70 – 130
4-bromofluorobenzene (20)	19.4	97.0	70 – 130

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery



QC Batch #: 5528

Lab Project #: 5051101

Sample ID	Compound	Result (mg/L)
MB	Hexavalent Chromium (Cr+6)	ND

Sample ID	Compound	Result (mg/L)	Spike Level	% Recv.
LCS	Hexavalent Chromium (Cr+6)	1.02	1.00	102

Sample ID	Compound	Result (mg/L)	Spike Level	% Recv.	RPD
LCSD	Hexavalent Chromium (Cr+6)	1.01	1.00	101	0.99

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery



QC Batch #: 5537/ 5531

Lab Project #: 5051101

Sample ID	Compound	Result (mg/L)
MB	Vanadium	ND
MB	Selenium	ND
MB	Molybdenum	ND

Sample ID	Compound	Result (mg/L)	Spike Level	% Recv.
LCS	Vanadium	0.481	0.500	96.2
LCS	Selenium	0.0227	0.025	90.8
LCS	Molybdenum	0.509	0.500	102

Sample ID	Compound	Result (mg/L)	Spike Level	% Recv.	RPD
LCSD	Vanadium	0.494	0.500	98.8	2.7
LCSD	Selenium	0.0243	0.025	97.2	8.0
LCSD	Molybdenum	0.518	0.500	104	1.8

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery



Analytical Sciences

CHAIN OF CUSTODY

5051101

LAB PROJECT NUMBER:

WINZLER & KELLY PROJECT NAME:

Former Head Creek Turner
0242505001.32w2

CLIENT INFORMATION									
COMPANY NAME: WINZLER & KELLY CONSULTING ENGINEERS ADDRESS: 495 TESCONI CIRCLE, SUITE 9 SANTA ROSA, CA 95401-4696									
CONTACT: Questions: Billie Sults; Sonja PHONE#: (707) 523-1010 FAX #: (707) 527-8679									

TURNAROUND TIME (check one)	
48 HOURS	
SAME DAY	24 HOURS
48 HOURS	72 HOURS
5 DAYS	NORMAL <input checked="" type="checkbox"/>

ITEM	CLIENT SAMPLE I.D.	DATE SAMPLED	TIME	MATRIX	# CONT.	PRESV. YES/NO	ANALYSIS			LAB SAMPLE #
							CHLORINATED HYDROCARBONS	SEMIVOLATILE SOLVENTS	TRPH / TG SM 5520F / EPA 418.1M	
1	GW-14	5/10/05	11:37	W	5	Y/N	X	X	X	29726
2	GW-15		12:15	1	5		X	X	X	29727
3	GW-16		11:59	1	5		X	X	X	29728
4	GW-39		13:12	5			X	X	X	29729
5	GW-3A		13:25	5			X	X	X	29730
6	GW-18		13:39	5			X	X	X	29731
7	GW-31		13:49	5			X	X	X	29732
8	GW-38		14:05	5			X	X	X	29733
9	GW-1		14:12	8			X	X	X	29734
10	GW-2		14:33	8			X	X	X	29735
11	GW-7		14:51	5			X	X	X	29736

SIGNATURES

RELINQUISHED BY: <i>John F. Finsen</i>	SAMPLED BY: <i>John F. Finsen</i>	RECEIVED BY LABORATORY: <i>Michele Valuskin</i>
DATE 5/10/05	TIME 17:00	DATE 5/10/05
TIME 17:00		SIGNATURE



Analytical Sciences

CHAIN OF CUSTODY

5051101

LAB PROJECT NUMBER:

WINZLER & KELLY PROJECT NAME: Former Head Clerk lumber
GLOBAL ID: 024250500132002

CLIENT INFORMATION

COMPANY NAME: WINZLER & KELLY CONSULTING ENGINEERS
 ADDRESS: 495 TESCONI CIRCLE, SUITE 9
 SANTA ROSA, CA 95401-4696
 CONTACT: Questions: Ron; Results: Sonja
 PHONE#: (707) 523-1010
 FAX #: (707) 527-8679

TURNAROUND TIME (check one)	
MOBILE LAB	<u>* Hex Chicane</u>
SAME DAY	24 HOURS
48 HOURS	72 HOURS
5 DAYS	NORMAL <u>X</u>

ANALYSIS

ITEM	CLIENT SAMPLE I.D.	DATE SAMPLED	TIME	MATRIX	CONT.	PRESV. YES/NO	TESTS	COMMENTS	LAB SAMPLE #
1	G10-37	5/10/05	15:00	W	5	X	X	Please provide chromatograms	29737
2	G10-12	1	15:08	5	1				29738
3	DPE-1		15:23	8					29739
4	DPE-2		15:32	8					29740
5	DPE-3		15:50	8					29741
6	DPE-4		16:00	8				@ <10ug/L	29742
7	DPE-5		16:14	8				Limit for bromate	29743
8	DPE-6		16:21	8				X and hex chrome @ <5ug/L	29744
9	DPE-7		16:32	8					29745
10	DPE-8		16:44	8					29746
11	DPE-9		16:54	8					29747

SIGNATURES

SAMPLER BY:

RELINQUISHED BY:

SIGNATURE

John W. Johnson 17.05
John W. Johnson 17.05
 DATE: 10/05 TIME: 1700

DATE

TIME

SIGNATURE

Appendix D

GeoTracker Upload Verifications

Electronic Submittal Information

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Your EDF file has been successfully uploaded!

Confirmation Number: 1570690929

Date/Time of Submittal: 6/20/2005 9:49:21 AM

Facility Global ID: T0609700540

Facility Name: MEAD CLARK LUMBER SUPPLY

Submittal Title: 2nd Quarter 2004 EDF Report 4052810

Submittal Type: Additional Information Report

Electronic Submittal Information

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Your EDF file has been successfully uploaded!

Confirmation Number: 4159091830

Date/Time of Submittal: 7/26/2005 11:23:46 AM

Facility Global ID: T0609700540

Facility Name: MEAD CLARK LUMBER SUPPLY

Submittal Title: 2nd Quarter 2005, EDF Report 5051101

Submittal Type: Additional Information Report

Electronic Submittal Information

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UPLOADING A GEO_WELL FILE

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Title: Former Mead Clark Lumber, Well Measurement File, Q2
2005

Submittal Date/Time: 6/20/2005 9:15:13 AM

Confirmation Number: 7290954411

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Logged in as WINZLER (AUTH_RP)

CONTACT SITE ADMINISTRATOR.